

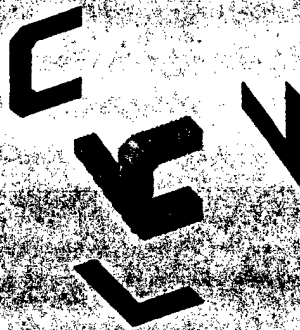
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Image Analysis and Computer Vision: 1996

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Abstract

This paper presents a bibliography of nearly 2150 references related to computer vision and image analysis, arranged by subject matter. The topics covered include computational techniques; feature detection and segmentation; image and scene analysis; two-dimensional shape; pattern; color and texture; matching and stereo; three-dimensional recovery and analysis; three-dimensional shape; and motion. A few references are also given on related topics, including geometry and graphics, compression and processing, sensors and optics, visual perception, neural networks, artificial intelligence and pattern recognition, as well as on applications.

THIS QUALITY INSPECTED 1

A notice about these bibliographies

When the 25th bibliography in this series was published (two years ago), I began it with a note summarizing the history of the bibliographies and indicating that, with the increasing availability of bibliographic data in digital form (e.g., journal Tables of Contents on publishers' home pages), there might be changes in the nature of the bibliographies over the coming years. There have in fact been changes in the way we produce the bibliographies, but the product has not yet changed.

Since it has become relatively easy to search the web for bibliographic data, the need for pre-constructed bibliographies is becoming dubious, and I expect to stop preparing them soon. The database of references from which I prepare the bibliographies each year, which I began in 1961, has just (December 1996) reached 50,000 items; it currently grows by over 2000 items per year. I don't know if I'll ever stop collecting references, but I will definitely stop preparing annual bibliographies, perhaps with this one (#27, the cube of 3), perhaps with the next one (#28, a perfect number), and certainly when I reach the 30th one, which will appear (if it does) in the year 2000. I hope the community has found my bibliographies useful, and that the information resources of the 21st century prove to be even more useful.

A. INTRODUCTION

This is the twenty-seventh in a series of bibliographies on computer processing of pictorial information, covering primarily items published during 1996. The coverage is restricted almost entirely to a selected set of U.S. or international journals and conference proceedings. No attempt is made to summarize or evaluate the items cited; the purpose is simply to provide a convenient compendium of references, grouped by subject.

The references are arranged under the following headings:

- (A) General references
- (B) Related topics
- (C) Applications
- (D) Computational techniques
- (E) Feature detection and segmentation; image and scene analysis
- (F) Two-dimensional shape and pattern
- (G) Color and texture
- (H) Matching and stereo
- (I) Three-dimensional recovery and analysis
- (J) Three-dimensional shape
- (K) Motion

Letter/number codes in the text (A.1, etc.) correspond to sections of the bibliography. Papers, books, etc. relating primarily to specific topics will be cited in later sections. In this section we cite references that relate to more than one topic:

- (A.1) Meetings and meeting proceedings: [1–45]
- (A.2) Books [46–48]; paper collections [49–52]; journal special issues and sections [53–55]; two new journals [56–57]; papers and journal special issues on research at specific institutions [58–79]; general papers [80–81]; and the previous bibliography in this series [82].

B. RELATED TOPICS

The following related areas are not covered systematically, but we give a few references on them:

- (B.1) Geometry and graphics: [83–127]
- (B.2) Compression and processing: [128–170]
- (B.3) Sensors and optics: [171–189]
- (B.4) Visual perception: [190–205]
- (B.5) Neural networks: [206–221]
- (B.6) Artificial intelligence and pattern recognition: [222–238].

C. APPLICATIONS

- (C.1) Documents: [239–250]*
- (C.2) Biomedical and biological: [251–261]*
- (C.3) Human: [262–383]
- (C.4) Industrial; robotics: [384–397]*
- (C.5) Mobile robotics: [398–452]
- (C.6) Target recognition: [453–498]
- (C.7) Remote sensing: [499–557].

*Only selected references on these topics are given.

D. COMPUTATIONAL TECHNIQUES

- (D.1) Architectures and environments: [558-598]
- (D.2) Databases: [599-659]
- (D.3) Operations (morphological, etc.): [660-689]
- (D.4) Multiscale methods: [690-718]
- (D.5) Geometric operations: [719-732]; estimation, etc.: [733-746]
- (D.6) Calibration: [747-775].

E. FEATURE DETECTION AND SEGMENTATION; IMAGE AND SCENE ANALYSIS

- (E.1) Features: [776-847]
- (E.2) Segmentation: [848-974] (including thresholding, contour extraction, grouping, and segmentation of 3D data; on color and texture see Section G, and on range data see Section I.1)
- (E.3) Image and scene analysis (including attention, control, etc.): [975-1021].

F. 2D SHAPE AND PATTERN

- (F.1) Representation, decomposition, etc.: [1022-1051]
- (F.2) Properties; invariants: [1052-1113]
- (F.3) Contours and curves: [1114-1175]
- (F.4) Skeletons and thinning; distance: [1176-1203]
- (F.5) Pattern (path planning, etc.): [1204-1229]; formal languages: [1230-1232].

G. LIGHTNESS AND COLOR; TEXTURE

- (G.1) Lightness, polarization, and color: [1233-1287]
- (G.2) Texture: modeling and synthesis [1288-1323]
- (G.3) Texture: description: [1324-1357]
- (G.4) Texture: segmentation: [1358-1389].

H. MATCHING; STEREO

- (H.1) Image and template matching: [1390–1461]
- (H.2) Hough transforms: [1462–1503]; structure matching: [1504–1515]; recognition [1516–1536]
- (H.3) Stereo, etc.: [1537–1613].

I. RANGE; RECOVERY

- (I.1) Range sensing and range data analysis: [1614–1675]
- (I.2) Recovery: [1676–1751].

J. 3D SHAPE

- (J.1) Models: [1752–1810]
- (J.2) Recognition: [1811–1869]
- (J.3) Other topics (pose, geometry, etc.): [1870–1912].

K. MOTION

- (K.1) Flow; egomotion: [1913–1969]
- (K.2) Structure from motion: [1970–2018]
- (K.3) Dynamic scenes: [2019–2072]
- (K.4) Tracking, etc.: [2073–2148].

REFERENCES

For brevity, the following frequently cited sources are cited in abbreviated forms:

A. Conference Proceedings

Abbreviation	Conference	
CVPR	Conference on Computer Vision and Pattern Recognition	[27]
ECCV	European Conference on Computer Vision	[17]
ICIP	International Conference on Image Processing	[145]
ICPR	International Conference on Pattern Recognition	[31]
IUW	[DARPA] Image Understanding Workshop	[13]
SCG	Symposium on Computational Geometry	[89]
SIGGRAPH	SIGGRAPH '96 Conference	[93]
SPIE	Society of Photo-Optical Instrumentation Engineers	

B. Journals

Abbreviation	Journal
AI	Artificial Intelligence
AMM	American Mathematical Monthly
ApI	Applied Intelligence
C&G	Computers and Graphics
CG&A	IEEE Computer Graphics and Applications
CVIU	Computer Vision and Image Understanding
DCG	Discrete and Computational Geometry
GMIP	Graphical Models and Image Processing
IJCV	International Journal of Computer Vision
IJIS	International Journal of Intelligent Systems
IJIST	International Journal of Imaging Systems and Technology
IJPRAI	International Journal of Pattern Recognition and Artificial Intelligence
IJRR	International Journal of Robotics Research
IPL	Information Processing Letters
IS	Information Sciences
IVC	Image and Vision Computing
JMIV	Journal of Mathematical Imaging and Vision
JPDC	Journal of Parallel and Distributed Computing
JVCIR	Journal of Visual Communication and Image Representation
MVA	Machine Vision and Applications
P-IEEE	Proceedings of the IEEE
PR	Pattern Recognition
PRIA	Pattern Recognition and Image Analysis
PRL	Pattern Recognition Letters
R&A	IEEE Robotics and Automation Magazine
RTI	Real-Time Imaging
SIAM JC	SIAM Journal on Computing
SV	Spatial Vision
TCS	Theoretical Computer Science
T-COMP	IEEE Transactions on Computers
T-I&S	IEICE Transactions on Information and Systems
T-IP	IEEE Transactions on Image Processing
T-KDE	IEEE Transactions on Knowledge and Data Engineering
T-NN	IEEE Transactions on Neural Networks
TOG	ACM Transactions on Graphics
T-PAMI	IEEE Transactions on Pattern Analysis and Machine Intelligence
T-RA	IEEE Transactions on Robotics and Automation
T-SMC	IEEE Transactions on Systems, Man, and Cybernetics
T-VCG	IEEE Transactions on Visualization and Computer Graphics
VC	The Visual Computer

A. General References

A.1. Meetings, etc.

1. W. Kropatsch, R. Klette, F. Solina, and R. Albrecht, eds., *Theoretical Foundations of Computer Vision* (Sixth Workshop, Wadern, Germany, March 14–18, 1994), Computing Supplement 11, Springer, Vienna, 1996.
2. L.S. Davis, K. Inoue, M. Nivat, A. Rosenfeld, and P.S.P. Wang, eds., *Parallel Image Analysis: Theory and Applications* (Third International Workshop on Parallel Image Analysis, College Park, MD, June 7–9, 1994), World Scientific, Singapore, 1996.
3. V. Cantoni, S. Levialdi, and V. Roberto, eds., *Artificial Vision—Image Description, Recognition and Communication* (School on Machine Vision, Udine, Italy, October 24–28, 1994), Academic Press, San Diego, CA, 1997.
4. A. Maeda, guest ed., Special Issue on Machine Vision Applications (Papers from the Fourth Workshop, Kawasaki, Japan, December 13–15, 1994), *T-IFS* **E78-D**(12), December 1995, 1525–1655.
5. Proceedings of the Workshop on Physics-Based Modeling in Computer Vision, Cambridge, MA, June 18–19, 1995 (IEEE-CS Press).
6. G. Tascini, F. Esposito, and V. Roberto, eds., *Machine Learning and Perception* (Ancona, Italy, June 22–23, 1995), World Scientific, Singapore, 1996.
7. Proceedings of the New Zealand Image and Vision Computing '95 Workshop, Canterbury, New Zealand, August 28–29, 1995.
8. Y.I. Zhuravlev, guest ed., Special Issue—Proceedings of PRIA-2-95 (Pattern Recognition and Image Analysis, Ulyanovsk, Russian Federation, August 28–31, 1995), *PRIA* **6**(1,2), January–March and April–June, 1996, 1–228 and 230–442.
9. D. Pycock, guest ed., Special Issue: Sixth British Machine Vision Conference (Birmingham, UK, September 11–14, 1995), *IVC* **14**(8), August 1996, 523–640.
10. PRIA-95, Third International Conference on Pattern Recognition and Information Analysis, Minsk, Belarus, September 19–21, 1995. (*PRIA* **6**, 1996, 524–525.)
11. S.Z. Li, D.P. Mital, E.K. Teoh, and H. Wang, eds., *Recent Developments in Computer Vision* (Invited session papers, Second Asian Conference on Computer Vision, Singapore, December 5–8, 1995), Springer, Berlin, 1996.
12. Twelfth Israeli Symposium on Artificial Intelligence, Computer Vision, and Neural Networks, Tel Aviv, Israel, February 4–5, 1996.
13. Proceedings, [DARPA] Image Understanding Workshop, Palm Springs, CA, February 12–15, 1996 (Morgan Kaufmann).
14. R. Bajcsy, R. Klette, W.G. Kropatsch, and F. Solina, eds., *Theoretical Foundations of Computer Vision* (Dagstuhl Seminar Report 139, March 18–22, 1996).
15. IEEE Southwest Symposium on Image Analysis and Interpretation, San Antonio, TX, April 8–9, 1996.
16. R.D. Juday and S.K. Park, eds., *Visual Information Processing V* (Orlando, FL, April 9, 1996), *Proc. SPIE* **2753**.

17. B. Buxton and R. Cipolla, eds., *Computer Vision—ECCV '96* (Proceedings, Fourth European Conference on Computer Vision, Cambridge, UK, April 15–18, 1996), Springer, Berlin, 1996 (LNCS 1065).
18. Workshop on Conceptual Description from Images, Cambridge, UK, April 19, 1996.
19. Workshop on Performance Characteristics of Vision Algorithms, Cambridge, UK, April 19–20, 1996.
20. Second SDRV Workshop (Slovenian Society for Pattern Recognition), Speech and Image Understanding, Ljubljana, Slovenia, April 24–26, 1996.
21. IMAGECOM 96, Third International Conference on Communicating by Image and Multimedia, Bordeaux, France, May 20–22, 1996.
22. Papers from the Fourth Conference on Computer Graphics and Image Processing (GKPO '96, Machocice, Poland, May 20–24, 1996), *Machine Graphics and Vision* 5(1/2), 1996.
23. Vision Interface, Toronto, Ontario, Canada, May 22–24, 1996.
24. Technical Meeting, Higher-Order Statistics and Shape Representation in Image Analysis and Signal Processing, London, UK, May 29, 1996.
25. Fifth Meeting on Geometry-Driven Diffusion in Computer Vision and Image Processing, Palo Alto, CA, June 13–14, 1996.
26. Workshop on Function, Formation, and Facilitation, San Francisco, CA, June 17, 1996.
27. Proceedings, CVPR '96 (IEEE Computer Society Conference on Computer Vision and Pattern Recognition), San Francisco, CA, June 18–20, 1996 (IEEE-CS Press).
28. Workshop on Image Fusion and Shape Variability Techniques, Leeds, UK, July 3–5, 1996.
29. A.G. Tescher, ed., Applications of Digital Image Processing XIX (Denver, CO, August 7–9, 1996), *Proc. SPIE* 2847.
30. IAPR International Workshop on Structural and Syntactic Pattern Recognition, Leipzig, Germany, August 20–23, 1996.
31. Proceedings of the Thirteenth International Conference on Pattern Recognition, Vienna, Austria, August 25–29, 1996 (IEEE-CS Press).
32. Image and Vision Computing, Lower Hutt, New Zealand, August 29–30, 1996.
33. R.B. Fisher and E. Trucco, eds., Proceedings of the Seventh British Machine Vision Conference, Edinburgh, Scotland, September 9–12, 1996.
34. European Symposium on Advanced Imaging and Network Technologies, Berlin, Germany, October 7–11, 1996.
35. 25th Annual AIPR Workshop, Emerging Applications of Computer Vision, Washington, DC, October 16–18, 1996.
36. IAPR Workshop on Machine Vision Applications, Tokyo, Japan, November 12–14, 1996.
37. D.P. Casasent and E.L. Hall, eds., Intelligent Robots and Computer Vision XV: Algorithms, Techniques, Active Vision, and Materials Handling (Boston, MA, November 19–21, 1996), *Proc. SPIE* 2904.

38. P.S. Schenker and G.T. McKee, eds., *Sensor Fusion and Distributed Robotic Agents* (Boston, MA, November 21–22, 1996), *Proc. SPIE* **2905**.
39. A.T. DePersia, S. Yeager, and S. Ortiz, eds., *Surveillance and Assessment Technologies for Law Enforcement* (Boston, MA, November 19–20, 1996), *Proc. SPIE* **2935**.
40. L.D. Rudin and S.K. Bramble, *Investigative Image Processing* (Boston, MA, November 19–20, 1996), *Proc. SPIE* **2942**.
41. First Australian Data Fusion Symposium, Adelaide, Australia, November 21–22, 1996.
42. Third IEEE Workshop on Applications of Computer Vision, Sarasota, FL, December 2–4, 1996.
43. ICARCV '96, Fourth International Conference on Control, Automation, Robotics and Vision, Singapore, December 3–6, 1996.
44. MFI '96, IEEE/SICE/RSJ International Conference on Multisensor Fusion and Integration for Intelligent Systems, Washington, DC, December 8–11, 1996.
45. Second Workshop on Cybernetic Vision, Sao Carlos, SP, Brazil, December 9–11, 1996.

A.2. Books, etc.

46. K. Kanatani, *Statistical Optimization for Geometric Computation: Theory and Practice*, North-Holland, Amsterdam, 1996.
47. R. Klette, A. Koschan, and K. Schlusens, *Computer Vision* (in German), Vieweg, Braunschweig, Germany, 1996.
48. S. Ullman, *High-Level Vision—Object Recognition and Visual Cognition*, MIT Press, Cambridge, MA, 1996.
49. Y. Aloimonos, ed., *Visual Navigation—From Biological Systems to Unmanned Ground Vehicles*, Erlbaum, Hillsdale, NJ, 1996.
50. K. Bowyer and N. Ahuja, eds., *Advances in Image Understanding—A Festschrift for Azriel Rosenfeld*, IEEE Computer Society Press, Los Alamitos, CA, 1996.
51. T.Y. Kong and A. Rosenfeld, eds., *Topological Algorithms for Digital Image Processing*, North-Holland, Amsterdam, 1996.
52. F.A. Sadjadi, ed., *Selected Papers on Sensor and Data Fusion*, SPIE, Bellingham, WA, 1996 (**MS 124**).
53. J. Heikkonen and A. Bulsari, guest eds., Special Issue on Neural Networks for Computer Vision Applications, *PRL* **17**(4), April 4, 1996, 317–429.
54. H. Freeman, guest ed., Studies in Pattern Recognition—A Memorial to the Late Professor King-Sun Fu, *IJPRAI* **10**(5), 1996, 390–612.
55. M.D. Levine, guest ed., Special Section on Signals and Symbols, *P-IEEE* **84**(11), November 1996, 1623–1704.
56. P.M. Grant and J. Illingworth, eds., *IEE Proceedings: Vision, Image and Signal Processing*, IEE, 1994ff.

57. C.M. Brown, G. Sandini, and M.J. Swain, eds., *Videre: A Journal of Computer Vision Research*, MIT Press, 1997ff.
58. A.R. Hanson and E.M. Riseman, Progress in computer vision at the University of Massachusetts, IUW, 5-14.
59. M.A. Fischler and R.C. Bolles, Image understanding research at SRI International, IUW, 15-34.
60. R. Nevatia, K. Price, and G. Medioni, USC image understanding research: 1994-1995, IUW, 35-43.
61. T. Kanade and K. Ikeuchi, Image understanding research at CMU: From vision science to autonomous systems, IUW, 45-56.
62. A. Rosenfeld, Image understanding research at the University of Maryland: Video surveillance and tracking, IUW, 57-64.
63. W.E.L. Grimson and T. Poggio, Progress in image understanding at MIT, IUW, 65-74.
64. T.E. Boult, R. Wallace, R. Blum, S.K. Nayar, P.K. Allen, and J.R. Kender, Visual sensor systems: Making them smaller, faster, smarter, IUW, 75-88.
65. T.O. Binford and T.S. Levitt, Model-based recognition of objects in complex scenes, IUW, 89-100.
66. L.J. Guibas and C. Tomasi, Image retrieval and robot vision research at Stanford, IUW, 101-108.
67. J.L. Mundy, Image understanding research at GE, IUW, 109-115.
68. B. Bhanu, Image understanding research at UC Riverside: Robust recognition of objects in real-world scenes, IUW, 117-128.
69. N. Ahuja and T. Huang, IU at UI: An overview of research during 1994-95, IUW, 159-164.
70. L.B. Wolff, Image understanding research at Johns Hopkins, IUW, 165-172.
71. K. Rao and B. Flinchbaugh, Vision research at TI: 1994-95 progress, IUW, 173-175.
72. R.S. Michalski, A. Rosenfeld, Y. Aloimonos, Z. Duric, M.A. Maloof, and Q. Zhang, Progress on vision through learning: A collaborative effort of George Mason University and [the] University of Maryland, IUW, 177-187.
73. W.B. Thompson and T.C. Henderson, IU at the University of Utah: Building 3-D models from sensed data, IUW, 205-210.
74. S. Peleg, D. Weinshall, and M. Werman, Multiple image analysis at the Hebrew University: Motion, structure, and recognition, IUW, 211-213.
75. R.M. Haralick, Computer vision research at the University of Washington, IUW, 247-248.
76. R. Nelson and C. Brown, Real-time recognition and visual control: Image understanding research at Rochester, IUW, 541-547.
77. J. Ben-Arie, Survey of IU and ATR research at ITT and UIC, IUW, 619-625.
78. J.O. Eklundh, guest ed., Special Issue: Machine Vision Research at the Royal Institute of Technology, *IJCV* 17(2), February 1996, 107-209.

79. R. Nevatia and G. Medioni, guest eds., Special Issue: Computer Vision Research at the University of Southern California, *IJCV* **20**(1-2), October 1996, 5-133.
80. P. Zamperoni, Plus ca va, moins ca va, *PRL* **17**, 1996, 671-677.
81. L. da Fontoura Costa, Real-time imaging and vision? The web knows about it, *RTI* **2**, 1996, 225-230.
82. A. Rosenfeld, Image analysis and computer vision: 1995, *CVIU* **63**, 1996, 568-612.

B. Related Topics

B.1. Geometry and graphics

83. W. Strasser, guest ed., [Special Issue on] Architectures for Volume Rendering (Papers from the Ninth Eurographics Workshop on Graphics, September 12-13, 1994), *C&G* **19**(5), September-October 1995, 651-754.
84. S.Y. Shin and T.L. Kunii, eds., *Computer Graphics and Applications* (Proceedings of the Third Pacific Conference, Seoul, Korea, August 21-24, 1995), World Scientific, Singapore, 1995.
85. J. Zhou, ed., Fourth International Conference on Computer-Aided Design and Computer Graphics (Wuhan, China, October 1995), *Proc. SPIE* **2644**.
86. Fourth International Conference in Central Europe on Computer Graphics and Visualization, Plzen, Czech Republic, February 11-17, 1996.
87. Twelfth European Workshop on Computational Geometry, Muenster, Germany, March 28-29, 1996.
88. W.A. Davis and R. Bartels, eds., Proceedings, Graphics Interface '96, Toronto, Ontario, Canada, May 22-24, 1996.
89. Proceedings of the Twelfth Annual Symposium on Computational Geometry, Philadelphia, PA, May 24-26, 1996 (ACM Press).
90. ACM Workshop on Applied Computational Geometry, Philadelphia, PA, May 27-28, 1996.
91. Computer Animation '96, Geneva, Switzerland, June 3-4, 1996.
92. Computer Graphics International, Pohang, Korea, June 24-28, 1996.
93. SIGGRAPH '96 Conference Proceedings, New Orleans, LA, August 4-9, 1996 (ACM).
94. R.A. Melter, A.Y. Wu, and L. Latecki, eds., Vision Geometry V (Denver, CO, August 6-7, 1996), *Proc. SPIE* **2826**.
95. Eighth Canadian Conference on Computational Geometry, Ottawa, Ontario, Canada, August 12-15, 1996.
96. Eurographics '96, Poitiers, France, August 26-30, 1996.
97. First CGC Workshop on Computational Geometry, Baltimore, MD, October 11-12, 1996.
98. S. Miguet, A. Montanvert, and S. Ubeda, *Discrete Geometry from Computer Imagery* (Sixth DCGI Conference, Lyon, France, November 13-15, 1996), Springer, Berlin, 1996.

99. COMPUGRAPHICS '96, fifth International Conference on Computational Graphics and Visualization Techniques, Paris, France, December 16–18, 1996.
100. R.A. Earnshaw and J.A. Vince, eds., *Computer Graphics Developments in Virtual Environments*, Academic Press, San Diego, CA.
101. J.A. Farrell, *From Pixels to Animation—An Introduction to Graphics Programming*, Academic Press, San Diego, CA.
102. P.S. Heckbert, *Graphics Gems IV*, Academic Press, San Diego, CA.
103. A.W. Paeth, *Graphics Gems V*, Academic Press, San Diego, CA.
104. A.T. Hubbard, *The Handbook of Surface Imaging and Visualization*, CRC Press, Boca Raton, FL, 1995.
105. M.J. Laszlo, *Computational Geometry and Computer Graphics in C++*, Prentice-Hall, Englewood Cliffs, NJ, 1995.
106. A. Netravali and B. Haskell, *Digital Pictures: Representation, Compression, and Standards*, Plenum Press, New York, 1995.
107. H. Späth, *Two Dimensional Spline Interpolation Algorithms*, A.K. Peters, Wellesley, MA, 1995.
108. D.B. Olfe, *Computer Graphics for Design: From Algorithms to AutoCAD*, Prentice-Hall, Englewood Cliffs, NJ, 1995.
109. J. Sanchez and M.P. Canton, *Computer Animation Programming Methods and Techniques*, McGraw-Hill, New York, 1995.
110. T. Wittenburg, *Photo-Based 3D Graphics in C++: Compositing, Warping, Morphing, and Other Digital Special Effects*, Wiley, New York, 1995.
111. P. Wisskirchen, *Object-Oriented and Mixed Paradigms—New Directions in Computer Graphics*, Springer, Berlin, 1996.
112. C. Zong and J.J. Duziak, *Strange Phenomena in Convex and Discrete Geometry*, Springer, Berlin, 1996.
113. M. Snir, guest ed., Special Issue on Parallel Computing, *Algorithmica* **15**(2), February 1996, 103–203.
114. T.Y. Kong and A. Rosenfeld, guest eds., Special Issue on Topology and Geometry in Computer Vision, *JMIV* **6**(2–3), June 1996, 107–308.
115. F. Morgan, What is a surface?, *AMM* **103**, 1996, 369–376.
116. Q.T. Luong and T. Vieville, Canonical representations for the geometries of multiple projective views, *CVIU* **64**, 1996, 193–229.
117. A.V. Evako, R. Kopperman, and Y.V. Mukhin, Dimensional properties of graphs and digital spaces, *JMIV* **6**, 1996, 109–119.
118. G.T. Herman and E. Zhao, Jordan surfaces in simply connected digital spaces, *JMIV* **6**, 1996, 121–138.
119. A. McAndrew and C. Osborne, A survey of algebraic methods in digital topology, *JMIV* **6**, 1996, 139–159.
120. M. Newman, A fundamental group for greyscale digital images, *JMIV* **6**, 1996, 161–167.

121. W.C. Karl, S.R. Kulkarni, G.C. Verghese, and A.S. Willsky, Local tests for consistency of support hyperplane data, *JMIV* **6**, 1996, 249-267.
122. A.P. Petrov and L.V. Kuzmin, Visual space geometry derived from occlusion axioms, *JMIV* **6**, 1996, 291-308.
123. A. Nakamura, "Continuous" functions on fuzzy digital pictures, *PRL* **17**, 1996, 557-563.
124. R.J. Holt, T.S. Huang, and A.N. Netravali, Algebraic methods for image processing and computer vision, *T-IP* **5**, 1996, 976-986.
125. A. Shashua and N. Navab, Relative affine structure: Canonical model for 3D from 2D geometry and applications, *T-PAMI* **18**, 1996, 873-883.
126. J. Gomes, B. Costa, L. Darsa, and L. Velho, Graphical objects, *VC* **12**, 1996, 269-282.
127. I. Bloch, Fuzzy relative position between objects in images: A morphological approach, *ICIP B*, 987-990.

B.2. Compression and processing

128. P.A. Laplante, A.D. Stoyenko, and D. Sinha, eds., Real-Time Imaging (San Jose, CA, January 29-30, 1996), *Proc. SPIE* **2661**.
129. E.R. Dougherty, J.T. Astola, and H.G. Longbotham, eds., Nonlinear Image Processing VII (San Jose, CA, January 29-30, 1996), *Proc. SPIE* **2662**.
130. N.M. Nasrabadi and A.K. Katsaggelos, eds., Applications of Artificial Neural Networks in Image Processing (San Jose, CA, February 1-2, 1996), *Proc. SPIE* **2664**.
131. R.L. Stevenson and M.I. Sezan, eds., Image and Video Processing IV (San Jose, CA, February 1-2, 1996), *Proc. SPIE* **2666**.
132. V. Bhaskaran, F. Sijstermans, and S. Panchanathan, eds., Digital Video Compression: Algorithms and Technologies 1996 (San Jose, CA, January 31-February 1, 1996), *Proc. SPIE* **2668**.
133. R.L. Stevenson, A.I. Drukarev, and T.R. Gardos, eds., Still-Image Compression II (San Jose, CA, January 29-30, 1996), *Proc. SPIE* **2669**.
134. Ninth Workshop on Image and Multidimensional Signal Processing, Belize City, Belize, March 3-6, 1996.
135. PCS '96, Picture Coding Symposium, Melbourne, Australia, March 13-15, 1996.
136. R. Ansari and M.J.T. Smith, eds., Visual Communications and Image Processing '96 (Orlando, FL, March 17-20, 1996), *Proc. SPIE* **2727**.
137. DCC '96, Data Compression Conference, Snowbird, UT, April 1-3, 1996.
138. D.P. Casasent and A.G. Tescher, eds., Hybrid Image and Signal Processing V (Orlando, FL, April 8, 1996), *Proc. SPIE* **2751**.
139. H.H. Szu, ed., Wavelet Applications III (Orlando, FL, April 8-12, 1996), *Proc. SPIE* **2762**.

140. International Workshop on Medical Image Compression, Milan, Italy, May 21–23, 1996.
141. Images, Wavelets, and PDE's, Paris, France, June 26–28, 1996.
142. E.R. Dougherty, F. Preteux, and J.L. Davidson, eds., Statistical and Stochastic Methods for Image Processing (Denver, CO, August 4–5, 1996), *Proc. SPIE* **2823**.
143. M.A. Unser, A. Aldroubi, and A.F. Laine, eds., Wavelet Applications in Signal and Image Processing IV (Denver, CO, August 6–9, 1996), *Proc. SPIE* **2825**.
144. P.S. Idell and T.J. Scholz, eds., Digital Image Recovery and Synthesis III (Denver, CO, August 5–6, 1996), *Proc. SPIE* **2827**.
145. IEEE International Conference on Image Processing, Lausanne, Switzerland, September 16–19, 1996.
146. SIP '96, IASTED International Conference on Signal and Image Processing, Orlando, FL, November 11–14, 1996.
147. J.J. Benedetto and M.W. Frazier, *Wavelets—Mathematics and Applications*, CRC Press, Boca Raton, FL, 1993.
148. M. Soumekh, *Fourier Array Imaging*, Prentice-Hall, Englewood Cliffs, NJ, 1994.
149. G.G. Walker, *Wavelets and Other Orthogonal Systems with Applications*, CRC Press, Boca Raton, FL, 1994.
150. B. Fuhr, S. Smoliar, and H.J. Zhang, *Video and Image Processing in Multimedia Systems*, Kluwer, Boston, 1995.
151. M.A. Sid-Ahmed, *Image Processing—Theory, Algorithms, and Architectures*, McGraw-Hill, New York, 1995.
152. M. Vetterli, *Wavelets and Subband Coding*, Prentice-Hall, Englewood Cliffs, NJ, 1995.
153. A. Aldroubi and M. Unser, *Wavelets in Medicine and Biology*, CRC Press, Boca Raton, FL, 1996.
154. P.A. Laplante and A.D. Stoyenko, eds., *Real-Time Imaging: Theory, Techniques, and Applications*, IEEE Computer Society Press, Los Alamitos, CA, 1996.
155. M.C. Roggemann and B. Welsh, *Imaging Through Turbulence*, CRC Press, Boca Raton, FL, 1996.
156. A.R. Weeks, Jr., *Fundamentals of Electronic Image Processing*, SPIE, Bellingham, WA, 1996.
157. L. Yaroslavsky and M. Eden, *Fundamentals of Digital Optics*, Birkhäuser, Boston, 1996.
158. B. Fuhr, guest ed., Special Issue—Video and Image Processing in Multimedia Systems, *RTI* **2**(1), February 1996, 1–59.
159. M. Barlaud, P.A. Chou, N.M. Nasrabadi, D. Neuhoff, M.J.T. Smith, and J.W. Woods, guest eds., Special Issue on Vector Quantization, *T-IP* **5**(2), February 1996, 197–404.
160. J. Kovacevic and I. Daubechies, guest eds., Special Issue on Wavelets, *P-IEEE* **84**(4), April 1996, 507–685.

161. G.R. Arie, P. Maragos, Y. Neuvo, and I. Pitas, guest eds., Special Issue on Nonlinear Image Processing, *T-IP* 5(6), June 1996, 805–1100.
162. W.R. Madych, guest ed., Special Issue: Wavelets and their Applications, *IJIST* 7(3), Fall 1996, 149–214.
163. R. Malladi and J.A. Sethian, Image processing: Flows under min/max curvature and mean curvature, *GMIP* 58, 1996, 127–141.
164. Y.L. You, W. Xu, A. Tannenbaum, and M. Kaveh, Behavioral analysis of anisotropic diffusion in image processing, *T-IP* 5, 1996, 1539–1553.
165. R. Malladi and J.A. Sethian, A unified approach to noise removal, image enhancement, and shape recovery, *T-IP* 5, 1996, 1554–1568.
166. G. Sapiro and D.L. Ringach, Anisotropic diffusion of multivalued images with applications to color filtering, *T-IP* 5, 1996, 1582–1586.
167. L.M.J. Florack, Data, models, and images, *ICIP A*, 469–472.
168. G. Sapiro, From active contours to anisotropic diffusion: Connections between basic PDE's in image processing, *ICIP A*, 477–480.
169. R. Malladi and J.A. Sethian, Level set and fast marching methods in image processing and computer vision, *ICIP A*, 489–492.
170. P. Maragos and M.A. Butt, Partial differential equations in image analysis: Continuous modeling, discrete processing, *ICIP C*, 61–64.

B.3. Sensors and optics

171. D.P. Casasent and T.H. Chao, eds., Optical Pattern Recognition VII (Orlando, FL, April 9–10, 1996), *Proc. SPIE* 2752.
172. D.R. Pape, ed., Advances in Optical Information Processing VII (Orlando, FL, April 10–11, 1996), *Proc. SPIE* 2754.
173. Second International Conference on Optical Information Processing, St. Petersburg, Russia, June 17–21, 1996.
174. A.V. Jelalian, guest ed., Special Issue on Laser Radar, *P-IEEE* 84(2), February 1996, 99–320.
175. S. Jutamulia and J. Tsujiuchi, guest eds., Special Issue on Optical Information Processing, *P-IEEE* 84(5), May 1996, 641–798.
176. S. Jutamulia and J. Tsujiuchi, guest eds., Special Issue on Optical Information Processing. Part 2: Applications—Nonimage Signal Processing, *P-IEEE* 84(6), June 1996, 811–905.
177. L.F. Pau, An intelligent camera for active vision, *IJPRAI* 10, 1996, 33–42.
178. F. Tong and Z.N. Li, Camera model for reciprocal-wedge transform, *IVC* 14, 1996, 339–351.
179. D.C. Carmer and L.M. Peterson, Laser radar in robotics, *P-IEEE* 84, 1996, 299–320.
180. C.M. Gosselin, E. St. Pierre, and M. Gagne, On the development of the agile eye, *REA* 3(4), 1996, 29–37.

181. M. Watanabe and S.K. Nayar, Telecentric optics for computational vision, IUW, 781-785.
182. R.S. Wallace, A notebook logmap active vision system, IUW, 787-791.
183. M. Watanabe and S.K. Nayar, Telecentric optics for computational vision, ECCV B, 439-451.
184. A. Krishnan and N. Ahuja, Panoramic image acquisition, CVPR, 379-384.
185. F.L. Lim, S. Venkatesh, and G.A.W. West, Resolution consideration in spatially variant sensors, ICPR A, 795-799.
186. X. Binefa and J. Vitri, A contrast-based focusing criterium, ICPR A, 805-809.
187. P. Silfsten, S. Parkkinen, J. Luostarinen, A. Khodonov, T. Jaaskelainen, and J. Parkkinen, Color-sensitive biosensors for imaging, ICPR C, 331-335.
188. P. Camacho, F. Arrebola, and F. Sandoval, Shifted fovea multiresolution geometries, ICIP A, 307-310.
189. M. Karaman, Ultrasonic array imaging based on spatial interpolation, ICIP A, 745-748.

B.4. Visual perception

190. B.E. Rogowitz and J.P. Allebach, eds., Human Vision and Electronic Imaging (San Jose, CA, January 28-February 2, 1996), *Proc. SPIE* **2657**.
191. Colour Perception: Philosophical, Psychological, Artistic, and Computational Aspects, Vancouver, BC, Canada, February 9-10, 1996.
192. Cognitive and Computational Models of Spatial Representation, Stanford, CA, March 25-27, 1996.
193. Second Workshop on the Representation and Processing of Spatial Expressions, Budapest, Hungary, August 12-13, 1996.
194. Teuber Symposium on Surface Perception, Cambridge, MA, October 25-27, 1996.
195. B.A. Wandell, *Foundations of Vision*, Sinauer, Sunderland, MA, 1995.
196. W.H. Zangemeuter, S. Stiehl, and C. Freksa, *Visual Attention and Cognition*, North-Holland, Amsterdam, 1996.
197. T.M. Caelli, guest ed., Special Issue on Learning and Adaptation in Man and Machine—Part I, *SV* **9**(4), 1996, 391-521, and Part II, *SV* **10**(1), 1996, 1-103.
198. T.V. Papathomas, guest ed., Special Issue on Visual Perception, *IJIST* **7**(2), Summer 1996, 63-130.
199. Special Report: Bioelectronic Vision, *Spectrum* **33**(5), May 1996, 2, 20-69.
200. R.J. Watt, Critical operations in low-level human vision, *IJIST* **7**, 1996, 65-77.
201. G. Dagnelle and R.W. Massof, Toward an artificial eye, *Spectrum* **33**(5), 1996, 20-29.
202. J. Wyatt and J. Rizzo, Ocular implants for the blind, *Spectrum* **33**(5), 1996, 47, 50-53.
203. R.A. Normann, E.M. Maynard, K.S. Guillosoy, and D.J. Warren, Cortical implants for the blind, *Spectrum* **33**(5), 1996, 54-59.

- 204. T. Poggio and D. Beymer, Learning to see, *Spectrum* **33**(5), 1996, 60–69.
- 205. S. Shah and M.D. Levine, Visual information processing in primate cone pathways—Part I: A model; Part II: Experiments, *T-SMC* **26B**, 1996, 259–274, 275–289.

B.5. Neural networks

- 206. Winter Retina Conference: Physiology, Computation, and Neuromorphic Engineering for Vision, Jackson Hole, WY, January 16–20, 1996.
- 207. Biologically Inspired Autonomous Systems: Computation, Cognition, and Control, Durham, NC, March 4–5, 1996.
- 208. S.K. Rogers and D.W. Ruck, eds., Applications and Science of Artificial Neural Networks II (Orlando, FL, April 9–12, 1996), *Proc. SPIE* **2760**.
- 209. ICNN '96, International Conference on Neural Networks, Washington, DC, June 3–6, 1996.
- 210. World Congress on Neural Networks, San Diego, CA, September 15–18, 1996.
- 211. ICONIP '96, International Conference on Neural Information Processing, Hong Kong, September 24–27, 1996.
- 212. ANNIE '96, Artificial Neural Networks in Engineering, St. Louis, MO, November 10–13, 1996.
- 213. Workshop on Sensorimotor Coordination: Amphibians, Models, and Comparative Studies, Sedona, AZ, November 22–24, 1996.
- 214. Neural Information Processing Systems—Natural and Synthetic, Denver, CO, December 2–7, 1996.
- 215. N.K. Bose and P. Liang, *Neural Network Fundamentals with Graphs, Algorithms, and Applications*, McGraw-Hill, New York, 1996.
- 216. C.T. Lin and C.S. Lee, *Neural Fuzzy Systems: A Neuro-Fuzzy Synergism to Intelligent Systems*, Prentice-Hall, Upper Saddle River, NJ, 1996.
- 217. P.K. Simpson, *Neural Networks Applications*, IEEE Press, New York, 1996.
- 218. S.K. Pal and P.K. Srimani, guest eds., (Special Section on) Neurocomputing: Motivation, Models, and Hybridization, *Computer* **29**(3), March 1996, 24–77.
- 219. E. Gelenbe and J. Barhen, guest eds., Special Issue on Artificial Neural Network Applications, *P-IEEE* **84**(10), October 1996, 1355–1569.
- 220. F. Werblin, A. Jacobs, and J. Teeters, The computational eye, *Spectrum* **33**(5), 1996, 30–37.
- 221. C. Koch and B. Mathur, Neuromorphic vision chip, *Spectrum* **33**(5), 1996, 38–46.

B.6. Artificial intelligence and pattern recognition

- 222. B. Bosacchi and J.C. Bezdek, eds., Applications of Fuzzy Logic Technology III (Orlando, FL, April 10–12, 1996), *Proc. SPIE* **2761**.
- 223. AAAI '96, Thirteenth National Conference on Artificial Intelligence, Portland, OR, August 2–8, 1996.

224. FUZZ-IEEE '96, Fifth International Conference on Fuzzy Systems, New Orleans, LA, September 8–11, 1996.
225. AIMS '96, Seventh International Conference on Artificial Intelligence: Methodology, Systems, Applications, Sozopol, Bulgaria, September 18–20, 1996.
226. T. Dean, J. Allen, and Y. Aloimonos, *Artificial Intelligence: Theory and Practice*, Benjamin Cummings, Redwood City, CA, 1995.
227. D.B. Fogel, *Evolutionary Computation: Toward a New Philosophy of Machine Intelligence*, IEEE Press, New York, 1995.
228. E.A. Bender, *Mathematical Methods in Artificial Intelligence*, IEEE Press, New York, 1996.
229. L. Devroye, L. Györfi, and G. Lugosi, *A Probabilistic Theory of Pattern Recognition*, Springer, Berlin, 1996.
230. J.S.R. Jang, C.T. Sun, and E. Mizutani, *Neuro-Fuzzy and Soft Computing—A Computational Approach to Learning and Machine Intelligence*, Prentice-Hall, Upper Saddle River, NJ, 1997.
231. B. Kosko, *Fuzzy Engineering*, Prentice-Hall, Upper Saddle River, NJ, 1997.
232. D.G. Stork, ed., *Hal's Legacy—2001's Computer as Dream and Reality*, MIT Press, Cambridge, MA, 1997.
233. F.D. Anger, guest ed., Special Issue on Spatial and Temporal Reasoning, *ApI* 6(1), January 1996, 5–65.
234. W. Pedrycz, guest ed., Special Issue on Fuzzy Set Technology in Pattern Recognition, *PRL* 17(6), May 15, 1996, 565–670.
235. M. Dohmen, A survey of constraint satisfaction techniques for geometric modeling, *C&G* 19, 1995, 831–845.
236. T. Caelli and W.F. Bischof, Machine learning paradigms for pattern recognition and image understanding, *SV* 10, 1996, 87–103.
237. M. Turner and E.R. Hancock, An EM-like relaxation operator, *ICPR B*, 166–170.
238. M. Pelillo and A.M. Fanelli, Autoassociative learning in relaxation labeling networks, *ICPR D*, 105–110.

C. Applications

C.1. Documents

239. R. Kasturi and K. Tombre, eds., *Graphics Recognition—Methods and Applications* (Selected papers from the First International Workshop, University Park, PA, August 10–11, 1995), Springer, Berlin, 1996 (LNCS 1072).
240. L.M. Vincent and J.J. Hull, eds., Document Recognition III (San Jose, CA, January 29–30, 1996), *Proc. SPIE* 2660.
241. Fifth Symposium on Document Analysis and Information Systems, Las Vegas, NV, April 15–17, 1996.

242. Fourth French National Conference on Writing and Document[s], Nantes, France, July 3–5, 1996.
243. Fifth International Workshop on Frontiers in Handwriting Recognition, Colchester, UK, September 2–5, 1996.
244. J.J. Hull and S. Liebowitz Taylor, eds., Proceedings, IAPR Workshop on Document Analysis Systems, Malvern, PA, October 14–16, 1996.
245. S. Ablameyko, *Recognition of Graphic Images*, Belarussian Academy of Science, Minsk, Belarus, 1996.
246. R. Plamondon, guest ed., Special Issue—Cursive Script Recognition, *MVA* 8(4), 1995, 195–259.
247. S. Mori, guest ed., Special Issue on Character Recognition and Document Understanding, *T-IPS* E79-D(5), May 1996, 399–560.
248. S.N. Srihari and D. Niyogi, guest eds., Special Issue: Document Analysis and Recognition, *IJIST* 7(4), Winter 1996, 269–403.
249. O.D. Trier, A.K. Jain, and T. Taxt, Feature extraction methods for character recognition—A survey, *PR* 29, 1996, 641–662.
250. Y.Y. Tang, S.W. Lee, and C.Y. Suen, Automatic document processing: A survey, *PR* 29, 1996, 1931–1952.

C.2. Biomedical and biological

251. Y. Kim, ed., Image Display (Newport Beach, CA, February 11–13, 1996), *Proc. SPIE* 2707.
252. R.L. Van Metter and J. Beutel, eds., Physics of Medical Imaging (Newport Beach, CA, February 11–13, 1996), *Proc. SPIE* 2708.
253. E.A. Hoffman, ed., Physiology and Function from Multidimensional Images (Newport Beach, CA, February 11–13, 1996), *Proc. SPIE* 2709.
254. M.H. Loew and K.M. Hanson, eds., Medical Imaging 1996: Image Processing (Newport Beach, CA, February 12–15, 1996), *Proc. SPIE* 2710.
255. R.G. Jost and S.J. Dwyer III, eds., PACS Design and Evaluation: Engineering and Clinical Issues (Newport Beach, CA, February 13–15, 1996), *Proc. SPIE* 2711.
256. H.L. Kundel, ed., Medical Imaging 1996: Image Perception (Newport Beach, CA, February 14, 1996), *Proc. SPIE* 2712.
257. Workshop on Mathematical Methods in Biomedical Image Analysis, San Francisco, CA, June 21–22, 1996.
258. IEEE Nuclear Science Symposium and Medical Imaging Conference, Anaheim, CA, November 2–9, 1996.
259. G.E. Meyer and J.A. Deshazer, eds., Optics in Agriculture, Forestry, and Biological Processing II (Boston, MA, November 19–20, 1996), *Proc. SPIE* 2907.
260. N. Ayache and J. Duncan, eds., *Medical Image Analysis*, Oxford University Press, 1996ff.
261. R. Mech and P. Prusinkiewicz, Visual models of plants interacting with their environment, SIGGRAPH, 397–410.

C.3. Human

- 262. Second International Conference on Face and Gesture Recognition, Killington, VT, October 14–16, 1996.
- 263. F.I. Parke and K. Waters, *Computer Facial Animation*, A.K. Peters, Wellesley, MA, 1996.
- 264. H. Ko and N.I. Badler, Animating human locomotion with inverse dynamics, *CG&A* **16**(2), 1996, 50–59.
- 265. R. Brunelli and O. Mich, SpotIt! An interactive Identikit system, *GMIP* **58**, 1996, 399–404.
- 266. V. Govindaraju, Locating human faces in photographs, *IJCV* **19**, 1996, 129–146.
- 267. A. Samil and P.A. Iyengar, Human face detection using silhouettes, *IJPRAI* **9**, 1995, 845–867.
- 268. T.S. Huang and L.A. Tang, 3-D face modeling and its applications, *IJPRAI* **10**, 1996, 491–520.
- 269. J. Moh and F.Y. Shih, Design of one-pass training algorithms for variant morphological operations, *IS* **94**, 1996, 303–314.
- 270. R. Cipolla and N.J. Hollinghurst, Human-robot interface by pointing with uncalibrated stereo vision, *IVC* **14**, 1996, 171–178.
- 271. A. Baumberg and D. Hogg, Generating spatiotemporal models from examples, *IVC* **14**, 1996, 525–532.
- 272. D. Tock and I. Craw, Tracking and measuring drivers' eyes, *IVC* **14**, 1996, 541–547.
- 273. R.P. Wildes, J.C. Asmuth, G.L. Green, S.C. Hsu, R.J. Kolczynski, J.R. Matey, and S.E. McBride, A machine-vision system for iris recognition, *MVA* **9**, 1996, 1–8.
- 274. N. Roeder and X. Li, Accuracy analysis for facial feature detection, *PR* **29**, 1996, 143–157.
- 275. S. Tamura, H. Kawai, and H. Mitsumoto, Male/female identification from 8×6 very low resolution face images by neural network, *PR* **29**, 1996, 331–335.
- 276. K.M. Lam and H. Yan, Locating and extracting the eye in human face images, *PR* **29**, 1996, 771–779.
- 277. P. Juell and R. Marsh, A hierarchical neural network for human face detection, *PR* **29**, 1996, 781–787.
- 278. Y. Dai and Y. Nakano, Face-texture model based on SGLD and its application, *PR* **29**, 1996, 1007–1017.
- 279. A.J. Schofield, P.A. Mehta, and T.J. Stonham, A system for counting people in video images using neural networks to identify the background scene, *PR* **29**, 1996, 1425–1428.
- 280. S.Y. Lee, Y.K. Ham, and R.H. Park, Recognition of human front faces using knowledge-based feature extraction and neuro-fuzzy algorithm, *PR* **29**, 1996, 1863–1876.
- 281. C.H. Lee, J.S. Kim, and K.H. Park, Automatic human face location in a complex background, *PR* **29**, 1996, 1877–1889.

282. C.C. Lin and W.C. Lin, Extracting facial features by an inhibitory mechanism based on gradient distributions, *PR* **29**, 1996, 2079–2101.
283. N. Intrator, D. Reisfeld, and Y. Yeshurun, Face recognition using a hybrid supervised/unsupervised neural network, *PRL* **17**, 1996, 67–76.
284. H. Murase and R. Sakai, Moving object recognition in eigenspace representation: Gait analysis and lip reading, *PRL* **17**, 1996, 155–162.
285. P.J. Phillips and Y. Vardi, Efficient illumination normalization of facial images, *PRL* **17**, 1996, 921–927.
286. P. Nosi and R. Magnolfi, Tracking and synthesizing facial motions with dynamic contours, *RTI* **2**, 1996, 67–79.
287. M. Rosenblum, Y. Yacoob, and L.S. Davis, Human expression recognition from motion using a radial basis function network architecture, *T-NN* **7**, 1996, 1121–1138.
288. Y. Yacoob and L.S. Davis, Recognizing human facial expressions from long image sequences using optical flow, *T-PAMI* **18**, 1996, 636–642.
289. D.L. Swets and J.(J.) Weng, Using discriminant eigenfeatures for image retrieval, *T-PAMI* **18**, 1996, 831–836.
290. F. Goudail, E. Lange, T. Iwamoto, K. Kyuma, and N. Otsu, Face recognition system using local autocorrelations and multiscale integration, *T-PAMI* **18**, 1996, 1024–1028.
291. T.J. Darrell, I.A. Essa, and A.P. Pentland, Task-specific gesture analysis in real time using interpolated views, *T-PAMI* **18**, 1996, 1236–1242.
292. K. Arai, T. Kurihara, and K. Anjyo, Bilinear interpolation for facial expression and metamorphosis in real-time animation, *VC* **12**, 1996, 105–116.
293. H.H.S. Ip and L. Yin, Constructing a 3D individualized head model from two orthogonal views, *VC* **12**, 1996, 254–266.
294. H.A. Rowley, S. Baluja, and T. Kanade, Neural network-based face detection, *IUW*, 725–735.
295. D.M. Gavrila and L.S. Davis, Tracking humans in action: A 3D model-based approach, *IUW*, 737–746.
296. R. Romano, D. Beymer, and T. Poggio, Face verification for real-time applications, *IUW*, 747–756.
297. A. Pentland, Machine understanding of human action, *IUW*, 757–764.
298. T. Nguyen and T. Huang, Towards automated structural analysis of difficult face images, *IUW*, 765–770.
299. R. Kjeldsen and J.R. Kender, Context-based visual hand gesture recognition, *IUW*, 771–775.
300. P.N. Belhumeur, J.P. Hespanha, and D.J. Kriegman, Eigenfaces vs. Fisherfaces: Recognition using class specific linear projection, *ECCV A*, 45–58.
301. N. Costen, I. Craw, G. Robertson, and S. Akamatsu, Automatic face recognition: What representation?, *ECCV A*, 504–513.

302. R. Kaucic, B. Dalton, and A. Blake, Real-time lip tracking for audio-visual speech recognition applications, ECCV B, 376-387.
303. F. Lerasle, G. Rives, M. Dhome, and A. Yassine, Human body tracking by monocular vision, ECCV B, 518-527.
304. M.M. Fleck, D.A. Forsyth, and C. Bregler, Finding naked people, ECCV B, 593-602.
305. T. Darrell, B. Moghaddam, and A.P. Pentland, Active face tracking and pose estimation in an interactive room, CVPR, 67-72.
306. D.M. Gavrila and L.S. Davis, 3-D model-based tracking of humans in action: A multi-view approach, CVPR, 73-80.
307. I.A. Kakadiaris and D. Metaxas, Model-based estimation of 3D human motion with occlusion based on active multi-viewpoint selection, CVPR, 81-87.
308. Y. Cui and J.J. Weng, Hand segmentation using learning-based prediction and verification for hand sign recognition, CVPR, 88-93.
309. H.A. Rowley, S. Baluja, and T. Kanade, Neural network-based face detection, CVPR, 203-208.
310. I.J. Cox, J. Ghosn, and P.N. Yianilos, Feature-based face recognition using mixture-distance, CVPR, 209-216.
311. S. Lawrence, C.L. Giles, and A.C. Tsoi, Convolutional neural networks for face recognition, CVPR, 217-222.
312. M.C. Burl and P. Perona, Recognition of planar object classes, CVPR, 223-230.
313. D. DeCarlo and D. Metaxas, The integration of optical flow and deformable models with applications to human face shape and motion estimation, CVPR, 231-238.
314. R.G. Uhl Jr. and N. da Vitoria Lobo, A framework for recognizing a facial image from a police sketch, CVPR, 586-593.
315. B. Moghaddam, C. Nastar, and A. Pentland, Bayesian face recognition using deformable intensity surfaces, CVPR, 638-645.
316. R.E. Kahn, M.J. Swain, P.N. Prokopowicz, and R.J. Firby, Gesture recognition using the Perseus architecture, CVPR, 734-741.
317. J.B. Burns, Recognition via consensus of local moments of brightness and orientation, CVPR, 891-898.
318. D. Beymer, Feature correspondence by interleaving shape and texture computations, CVPR, 921-928.
319. A. Bobick and J. Davis, An appearance-based representation of action, ICPR A, 307-312.
320. J. Luetttin, N.A. Thacker, and S.W. Beet, Locating and tracking facial speech features, ICPR A, 652-656.
321. Y. Iwai, K. Watanabe, Y. Yagi, and M. Yachida, Gesture recognition using colored gloves, ICPR A, 662-666.
322. A. Utsumi, T. Miyasato, F. Kishino, and R. Nakatsu, Hand gesture recognition system using multiple cameras, ICPR A, 667-671.

323. R. Foltyniewicz, Automatic face recognition via wavelets and mathematical morphology, ICPR B, 13-17.
324. R. Herpers, M. Michaelis, G. Sommer, and L. Witta, Context-based detection of keypoints and features in eye regions, ICPR B, 23-28.
325. R. Funayama, N. Yokoya, H. Iwasa, and H. Takemura, Facial component extraction by cooperative active nets with global constraints, ICPR B, 300-304.
326. S.R. Gunn and M.S. Nixon, Snake head boundary extraction using global and local energy minimisation, ICPR B, 581-585.
327. J. Segen and S.(G.) Pingali, A camera-based system for tracking people in real time, ICPR C, 63-67.
328. Q. Cai and J.K. Aggarwal, Tracking human motion using multiple cameras, ICPR C, 68-72.
329. C.L. Su and C. Lursinsap, Face recognition by feature orientation and feature geometry matching, ICPR C, 401-405.
330. H. Wu, Q. Chen, and M. Yachida, A fuzzy-theory-based face detector, ICPR C, 406-410.
331. K.M. Lam and H. Yan, An improved method for locating and extracting the eye in human face images, ICPR C, 411-415.
332. B. Achermann and H. Bunke, Combination of face classifiers for person identification, ICPR C, 416-420.
333. K. Sobottka and I. Pitas, Extraction of facial regions and features using color and shape information, ICPR C, 421-425.
334. S.H. Jeng, H.Y.M. Liao, Y.T. Liu, and M.Y. Chern, An efficient approach for facial feature detection using geometrical face model, ICPR C, 426-430.
335. R. Erenshateyn, P. Laskov, R. Foulds, L. Messing, and G. Stern, Recognition approach to gesture language understanding, ICPR C, 431-435.
336. I.C. Chang and C.L. Huang, Ribbon-based motion analysis of human body movements, ICPR C, 436-440.
337. H. Wu, T. Fukumoto, Q. Chen, and M. Yachida, Active face observation system, ICPR C, 441-445.
338. K. Grobel and H. Hienz, Video-based handshape recognition using a handshape structure model in real time, ICPR C, 446-450.
339. T. Sakaguchi and S. Morishima, Face feature extraction from spatial frequency for dynamic expression recognition, ICPR C, 451-455.
340. Y. Ariki and N. Ishikawa, Integration of face and speaker recognition by subspace method, ICPR C, 456-460.
341. C. Morimoto, Y. Yacoob, and L. Davis, Recognition of head gestures using hidden Markov models, ICPR C, 461-465.
342. M. Takatoo, C. Onuma, and Y. Kobayashi, Detection of objects including persons using image processing, ICPR C, 466-472.

343. T. Watanabe, C.W. Lee, A. Tsukamoto, and M. Yachida, A method of real-time gesture recognition for interactive systems, ICPR C, 473–477.
344. H. Wu, Q. Chen, and M. Yachida, Facial feature extraction and face verification, ICPR C, 484–488.
345. Y. Tatsuno, S. Suzuki, N. Yokoya, H. Iwasa, and H. Takemura, Analysis and synthesis of six primary facial expressions using range images, ICPR C, 489–493.
346. M.S. Lew and N. Huijsmans, Information theory and face detection, ICPR C, 601–605.
347. J. Bala, K. DeJong, J. Huang, H. Vafaie, and H. Wechsler, Visual routine for eye detection using hybrid genetic architectures, ICPR C, 606–610.
348. S. Basu, I. Essa, and A. Pentland, Motion regularization for model-based head tracking, ICPR C, 611–616.
349. Y. Cui and J.J. Weng, View-based hand segmentation and hand-sequence recognition with complex backgrounds, ICPR C, 617–621.
350. E. Di Bernardo, L. Goncalves, and P. Perona, Monocular tracking of the human arm in 3D: Real-time implementation and experiments, ICPR C, 622–626.
351. A. Azarbayejani and A. Pentland, Real-time self-calibrating stereo person tracking using 3-D shape estimation from blob features, ICPR C, 627–632.
352. B. Leroy, I.L. Herlin, and L.D. Cohen, Face identification by deformation measure, ICPR C, 633–637.
353. H.T. Tanaka and M. Ikeda, Curvature-based face surface recognition using spherical correlation—Principal directions for curved object recognition, ICPR C, 638–642.
354. H. Sako and A.V.W. Smith, Real-time facial expression recognition based on features' positions and dimensions, ICPR C, 643–648.
355. J. Ohya and F. Kishino, Detecting facial expressions from face images using a genetic algorithm, ICPR C, 649–653.
356. E. Saber and A.M. Tekalp, Face detection and facial feature extraction using color, shape and symmetry-based cost functions, ICPR C, 654–658.
357. L.A. Tang and T.S. Huang, Characterizing smiles in the context of video phone data compression, ICPR C, 659–663.
358. Y. Kuno, T. Watanabe, Y. Shimosakoda, and S. Nakagawa, Automated detection of human for visual surveillance system, ICPR C, 865–869.
359. L. O'Gorman and I. Rabinovich, Photo-image authentication by pattern recognition and cryptography, ICPR C, 949–953.
360. R. Sharma, T.S. Huang, V.I. Pavlovi, Y. Zhao, Z. Lo, S. Chu, K. Schulten, A. Dalke, J. Phillips, M. Zeller, and W. Humphrey, Speech/gesture interface to a visual computing environment for molecular biologists, ICPR C, 964–968.
361. T. Darrell and A. Pentland, Active gesture recognition using partially observable Markov decision processes, ICPR C, 984–988.
362. S. Gutta, J. Huang, B. Takacs, and H. Wechsler, Face recognition using ensembles of networks, ICPR D, 50–54.

363. J. Luettin, N.A. Thacker, and S.W. Beet, Learning to recognise talking faces, ICPR D, 55-59.
364. P.M. Antoszczyszyn, J.M. Hannah, and P.M. Grant, Accurate automatic frame fitting for semantic-based moving image coding using a facial code-book, ICIP A, 689-692.
365. A.M. Brinicombe, J.F. Boyce, and L. Durnell, Direction of regard determination, ICIP B, 169-172.
366. L. Khoudour, L. Duvioubourg, B. Meunier, Y.F. Wan, and J.P. Deparis, A new fast algorithm using an adaptative structuring element applied to a counting device, ICIP C, 57-60.
367. L. Tang and T.S. Huang, Automatic construction of 3D human face models based on 2D images, ICIP C, 467-470.
368. M. Covell and C. Bregler, Eigen-points, ICIP C, 471-474.
369. M. Zhang and J. Fulcher, Face perspective understanding using artificial neural network group-based tree, ICIP C, 475-478.
370. T. Iso, Y. Watanabe, and K. Shimohara, Human face classification for security system, ICIP C, 479-482.
371. K. Sobottka and I. Pitas, Face localization and facial feature extraction based on shape and color information, ICIP C, 483-486.
372. J. Ruiz and R. Jaime, Backpropagation and SOM for face feature recognition, ICIP C, 487-490.
373. K. Yu, X. Jiang, and H. Bunke, Robust facial profile recognition, ICIP C, 491-494.
374. R. Foltyniewicz and M. Sitnik, Verification of persons via face and signature analysis, ICIP C, 495-498.
375. L.J. Shen, H.C. Fu, Y.Y. Xu, F.R. Hsu, H.T. Chang, and W.Y. Meng, A principal component based probabilistic DBNN for face recognition, ICIP C, 499-502.
376. Y. Mukaigawa and Y. Ohta, Description of eye figure with small parameters, ICIP C, 503-506.
377. J.Y. Jung and M.H. Kim, Motion estimation of lips in pronouncing Korean vowels based on fuzzy constraint line clustering, ICIP C, 507-510.
378. K. Yoshino, T. Kawashima, and Y. Aoki, Recognition of Japanese sign language from image sequence using color combination, ICIP C, 511-514.
379. I.J. Ko and H.I. Choi, A frame-based model for hand gesture recognition, ICIP C, 515-518.
380. R. Kothari and J.L. Mitchell, Detection of eye locations in unconstrained visual images, ICIP C, 519-522.
381. F. Lavagetto, I.S. Pandzic, P. Kalra, and N. Magnenat-Thalmann, Synthetic and hybrid imaging in the humanoid and VIDAS projects, ICIP C, 663-666.
382. G. Rigoll, A. Kosmala, and M. Schuster, A new approach to video sequence recognition based on statistical methods, ICIP C, 839-842.
383. Y. Chan, S.H. Lin, Y.P. Tan, and S.Y. Kung, Video shot classification using human faces, ICIP C, 843-846.

C.4. Industrial; robotics

- 384. M. Pietikäinen and L.F. Pau, eds., *Machine Vision for Advanced Production* (Oulu, Finland, June 2-3, 1994), World Scientific, Singapore, 1996. [Special Issue: Machine Vision for Advanced Production—Part 1, *IJPRAI* 10(1), February 1996, 1-95; Part 2, *IJPRAI* 10(2), March 1996, 97-182.]
- 385. A. Ravishankar Rao and N. Chang, eds., Machine Vision Applications in Industrial Inspection IV (San Jose, CA, January 31-February 1, 1996), *Proc. SPIE* 2665.
- 386. IEEE International Conference on Robotics and Automation, Minneapolis, MN, April 22-28, 1996.
- 387. SME Applied Machine Vision Conference, Cincinnati, OH, June 3-6, 1996.
- 388. O. Loffeld, ed., Vision Systems: Sensors, Sensor Systems, and Components (Besancon, France, June 10-12, 1996), *Proc. SPIE* 2784.
- 389. P. Refregier, ed., Vision Systems: New Image Processing Techniques (Besancon, France, June 11-12, 1996), *Proc. SPIE* 2785.
- 390. P.A. Kammenos and B. Nickolay, eds., Vision Systems: Applications (Besancon, France, June 11-12, 1996), *Proc. SPIE* 2786.
- 391. Second International Workshop on Algorithmic Foundations of Robotics, Toulouse, France, July 3-5, 1996.
- 392. IAPR Workshop on Machine Perception Applications, Graz, Austria, September 2-4, 1996.
- 393. S.S. Solomon, B.G. Batchelor, and F.M. Waltz, eds., Machine Vision Applications, Architectures, and Systems Integration V (Boston, MA, November 18-19, 1996), *Proc. SPIE* 2908.
- 394. K.G. Harding and D.J. Svetkoff, eds., Three-Dimensional Imaging and Laser-Based Systems for Metrology and Inspection II (Boston, MA, November 20-21, 1996), *Proc. SPIE* 2909.
- 395. ROVPIA '96, International Conference on Robotics, Vision, and Parallel Processing for Industrial Automation, Ipoh, Malaysia, November 28-30, 1996.
- 396. H. Bunke, T. Kanade, and H. Noltemeier, eds., *Modelling and Planning for Sensor Based Intelligent Robot Systems*, World Scientific, Singapore, 1995.
- 397. G.D. Hager and S. Hutchinson, guest eds., Special Section on Vision-Based Control of Robot Manipulators, *T-RA* 12(5), October 1996, 649-774.

C.5. Mobile robotics

- 398. A.C. Gale, ed., *Vision in Vehicles V* (Glasgow, UK, Fall 1993), North-Holland, Amsterdam, 1996.
- 399. S.A. Speigle, ed., Navigation and Control Technologies for Unmanned Systems (Orlando, FL, April 8-9, 1996), *Proc. SPIE* 2738.
- 400. SIRS '96, International Symposium on Intelligent Robotic Systems, Lisbon, Portugal, July 22-26, 1996.
- 401. Intelligent Vehicles '96, Tokyo, Japan, September 18-20, 1996.

402. IROS '96, IEEE/RSJ International Conference on Intelligent Robots and Systems, Osaka, Japan, November 4-8, 1996.
403. A.C. Chachick, ed., Transportation Sensors and Controls: Collision Avoidance, Traffic Management, ITS (Boston, MA, November 18-20, 1996), *Proc. SPIE* **2902**.
404. C.H. Kenyon and P. Kachroo, eds., Mobile Robot and Automated Vehicle Control Systems (Boston, MA, November 20-21, 1996), *Proc. SPIE* **2903**.
405. M. Dorigo, guest ed., Special Issue on Learning Autonomous Robots, *T-SMC* **B26**(3), June 1996, 361-505.
406. T. Jochem and D. Pomerleau, Life in the fast lane—The evolution of an adaptive vehicle control system, *AI Magazine* **17**(2), 1996, 11-50.
407. H. Schneiderman, M. Nashman, A.J. Wavering, and R. Lumia, Vision-based robotic convoy driving, *MVA* **8**, 1995, 359-364.
408. M. Xie, Matching free stereovision for detecting obstacles on a ground plane, *MVA* **9**, 1996, 9-13.
409. J.E.L. Hollis, D.J. Brown, I.C. Luckraft, and C.R. Gent, Feature vectors for road vehicle scene classification, *Neural Networks* **9**, 1996, 337-344.
410. A.L. Meyrowitz, D.R. Blidberg, and R.C. Michelson, Autonomous vehicles, *P-IEEE* **84**, 1996, 1145-1164.
411. G.L. Dudek, Environment representation using multiple abstraction levels, *P-IEEE* **84**, 1996, 1682-1704.
412. H.S. Dulimarta and A.K. Jain, A client/server control architecture for robot navigation, *PR* **29**, 1996, 1259-1284.
413. S. Gil, R. Milanese, and T. Pun, Comparing features for target tracking in traffic scenes, *PR* **29**, 1996, 1285-1296.
414. S. Dance, T. Caelli, and Z.Q. Liu, A concurrent, hierarchical approach to symbolic dynamic scene interpretation, *PR* **29**, 1996, 1891-1903.
415. C. Goerick, D. Noll, and M. Werner, Artificial neural networks in real-time car detection and tracking applications, *PRL* **17**, 1996, 335-343.
416. A. Mandow, J.M. Gomez-de-Gabriel, J.L. Martinez, V.F. Muñoz, and A. Garcia-Cerezo, The autonomous mobile robot AURORA for greenhouse operation, *R&A* **3**(4), 1996, 18-28.
417. M. Rosenblum and L.S. Davis, An improved radial basis function network for visual autonomous road following, *T-NN* **7**, 1996, 1111-1120.
418. S. Lakshmanan and D. Grimmer, A deformable template approach to detecting straight edges in radar images, *T-PAMI* **18**, 1996, 438-443.
419. D.J. Cook, P. Gmytrasiewicz, and L.B. Holder, Decision-theoretic cooperative sensor planning, *T-PAMI* **18**, 1996, 1013-1023.
420. W.F. Gardner and D. Flauton, Iterative model-based vehicle tracking, *T-PAMI* **18**, 1996, 1115-1121.
421. K.T. Simsarian, T.J. Olson, and N. Nandhakumar, View-invariant regions and mobile robot self-localization, *T-RA* **12**, 1996, 870-816.

422. A. Kutz, Constructing maps for mobile robot navigation based on ultrasonic range data, *T-SMC* **B26**, 1996, 233-242.
423. R. Greiner and R. Isukapalli, Learning to select useful landmarks, *T-SMC* **B26**, 1996, 437-449.
424. S. Baluja, Evolution of an artificial neural network based autonomous land vehicle controller, *T-SMC* **B26**, 1996, 450-463.
425. M. Azam, H. Potlapalli, J. Janet, and R.C. Luo, Outdoor landmark recognition using segmentation, fractal model and neural network, *IUW*, 189-203.
426. E. Mettala, D.J. Cook, and K. Harbison, Application of the scenario-based engineering process to the unmanned ground vehicle project, *IUW*, 627-641.
427. B.T. Mitchell, C.J. Jacobus, and R.C. Watts, A human-centered approach to UGV navigation, *IUW*, 643-650.
428. J.R. Beveridge, C. Graves, and C.E. Lesh, Local search as a tool for horizon line matching, *IUW*, 683-686.
429. Y. Yao, P. Burlina, and R. Chellappa, Stabilization of images acquired by unmanned ground vehicles, *IUW*, 687-694.
430. I.R. Nourbakhsh, D. Andre, C. Tomasi, and M.R. Genesereth, Obstacle avoidance via depth from focus, *IUW*, 1339-1344.
431. T.M. Jochem, D.A. Pomerleau, and C.E. Thorpe, Vision-based neural network road and intersection detection and traversal, *IUW*, 1365-1371.
432. T.N. Tan, G.D. Sullivan, and K.D. Baker, Efficient image gradient-based object localisation and recognition, *CVPR*, 397-402.
433. P. Veelaert and H. Peremans, Mobile robot navigation based on flexibility maps of the environment, *ICPR A*, 146-150.
434. K. Weber, S. Venkatesh, and M.V. Srinivasan, Inspect inspired behaviours for the autonomous control of mobile robots, *ICPR A*, 156-160.
435. S. Li, S. Tsuji, and A. Hayashi, Qualitative representation of outdoor environment along route, *ICPR A*, 176-180.
436. Y.B. Yang and H.T. Tsui, Mobile robot localization by geometric hashing and model-based scene matching, *ICPR A*, 181-185.
437. T. Nishimura, H. Kojima, Y. Ito, A. Held, S. Nozaki, S. Nagaya, and R. Oka, Effect of time-spatial size of motion image for localization by using the spotting method, *ICPR A*, 191-195.
438. L. Wixson, Illumination assessment for vision-based traffic monitoring, *ICPR C*, 56-62.
439. M.B. Holder, M.M. Trivedi, and S.B. Marapane, Mobile robot navigation by wall following using a rotating ultrasonic scanner, *ICPR C*, 298-302.
440. E. Stella, G. Cicirelli, and A. Distanti, Self-location of a mobile robot with uncertainty by cooperation of a heading sensor and a CCD TV camera, *ICPR C*, 303-307.
441. M. Maurer, R. Behringer, S. Fürst, F. Thomanek, and E.D. Dickmanns, A compact vision system for road vehicle guidance, *ICPR C*, 313-317.

442. M. Ekinici and B.T. Thomas, Road junction recognition and turn-offs for autonomous road vehicle navigation, ICPR C, 318-322.
443. T. Camus, D. Coombs, M. Herman, and T.H. Hong, Real-time single-workstation obstacle avoidance using only wide-field flow divergence, ICPR C, 323-330.
444. T. Ikeda, S. Ohnaka, and M. Mizoguchi, Traffic measurement with a roadside vision system—Individual tracking of overlapped vehicles, ICPR C, 859-864.
445. C. Zanardi, J.Y. Hervé, and P. Cohen, Mutual learning of unsupervised interactions between mobile robots, ICPR D, 40-44.
446. J. Weng and S. Chen, Incremental learning for vision-based navigation, ICPR D, 45-49.
447. V. Béranger and J.Y. Hervé, Recognition of intersections in corridor environments, ICPR D, 133-137.
448. K.C. Ng and M.M. Trivedi, Multirobot convoying using neuro-fuzzy control, ICPR D, 417-421.
449. F. Diebolt, Road markings recognition, ICIP B, 669-672.
450. M. Bertozzi, A. Broggi, and A. Fascioli, A stereo vision system for real-time automotive obstacle detection, ICIP B, 681-684.
451. R. Gerber and H.H. Nagel, Knowledge representation for the generation of quantified natural language descriptions of vehicle traffic in image sequences, ICIP B, 805-808.
452. F. Bartolini, V. Cappellini, and C. Giani, Motion estimation and tracking for urban traffic monitoring, ICIP C, 787-790.

C.6. Target recognition

453. M.K. Masten and L.A. Stockum, eds., Acquisition, Tracking, and Pointing X (Orlando, FL, April 10-11, 1996), *Proc. SPIE* **2739**.
454. W.R. Watkins and D. Clement, eds., Targets and Backgrounds: Characterization and Representation II (Orlando, FL, April 8-10, 1996), *Proc. SPIE* **2742**.
455. I. Kadar and V. Libby, eds., Signal Processing, Sensor Fusion, and Target Recognition V (Orlando, FL, April 8-10, 1996), *Proc. SPIE* **2755**.
456. F.A. Sadjadi, ed., Automatic Object Recognition VI (Orlando, FL, April 8-10, 1996), *Proc. SPIE* **2756**.
457. O.E. Drummond, ed., Signal and Data Processing of Small Targets 1996 (Orlando, FL, April 9-11, 1996), *Proc. SPIE* **2759**.
458. A.C. Dubey, R.L. Barnard, C.J. Lowe, and J.E. McFee, eds., Detection and Remediation Technologies for Mines and Minelike Targets (Orlando, FL, April 9-12, 1996), *Proc. SPIE* **2765**.
459. S. Grossberg, H. Hawkins, and A. Waxman, guest eds., Special Issue—Automatic Target Recognition, *Neural Networks* **8**(7-8), November 1995, 1003-1360.
460. J.G. Verly and R.L. Delanoy, Model-based automatic target recognition (ATR) system for forwardlooking groundbased and airborne imaging laser radars (LADAR), *P-IEEE* **84**, 1996, 126-163.

461. C. Alippi, Real-time analysis of ships in radar images with neural networks, *PR* **28**, 1995, 1899–1913.
462. T.N. Tan, G.D. Sullivan, and K.D. Baker, Closed-form algorithms for object pose and scale recovery in constrained scenes, *PR* **29**, 1996, 449–461.
463. V. Concepcion and H. Wechsler, Detection and localization of objects in time-varying imagery using attention, representation and memory pyramids, *PR* **29**, 1996, 1543–1557.
464. R. Kapoor and N. Nandhakumar, Features for detecting obscured objects in ultra-wide band (UWB) SAR imagery using a phenomenological approach, *PR* **29**, 1996, 1761–1774.
465. J.H. Yi, B. Bhanu, and M. Li, Target indexing in SAR images using scattering centers and the Hausdorff distance, *PRL* **17**, 1996, 1191–1198.
466. M.P. Dubuisson Jolly, S. Lakshmanan, and A.K. Jain, Vehicle segmentation and classification using deformable templates, *T-PAMI* **18**, 1996, 293–308.
467. M.A. Zmuda, L.A. Tamburino, and M.M. Rizki, An evolutionary learning system for synthesizing complex morphological filters, *T-SMC* **B26**, 1996, 645–653.
468. P. Anandan, P. Burt, and J. Pearson, Spacial and temporal mechanisms in target cueing, *IUW*, 525–529.
469. J.R. Beveridge, B.A. Draper, and K. Siejko, Progress on target and terrain recognition research at Colorado State University, *IUW*, 531–540.
470. J.G. Verly, D.E. Dudgeon, and R.T. Lacoss, Model-based automatic target recognition system for the UGV/RSTA ladar: Status at Demo C, *IUW*, 549–583.
471. W. Au and B. Roberts, Overview of a self-adaptive ATR system via context-based configuration and control, *IUW*, 585–588.
472. D.M. Doria and D.P. Huttenlocher, Progress on the fast adaptive target detection program, *IUW*, 589–594.
473. A. Akerman III, R. Patton, W. Delashmit, and R. Hummel, Target identification using geometric hashing and FLIR/LADAR fusion, *IUW*, 595–618.
474. W. Au and B. Roberts, Adaptive configuration and control in an ATR system, *IUW*, 667–676.
475. M.R. Stevens and J.R. Beveridge, Optical linear feature detection based on model pose, *IUW*, 695–697.
476. M.R. Stevens and J.R. Beveridge, Interleaving 3D model feature prediction and matching to support multi-sensor object recognition, *IUW*, 699–706.
477. D. Arnold, J. Michel, N. Nandhakumar, G. Tsihrintzis, and V. Velten, Robust thermophysics-based interpretation of radiometrically uncalibrated IR images for ATR and site change detection, *IUW*, 943–960.
478. R.M. Haralick, Detection performance methodology, *IUW*, 981–983.
479. S. Zhang and B. Bhanu, Automatic model construction for object recognition using inverse synthetic aperture radar images, *IUW*, 1229–1236.
480. B. Bhanu, G. Jones, J. Ahn, M. Li, and J. Yi, Recognition of articulated objects in SAR images, *IUW*, 1237–1250.

481. K. Ikeuchi, M.D. Wheeler, T. Yamazaki, and T. Shakunaga, Model-based SAR ATR system, IUW, 1263–1276.
482. J. Ben-Arie, Z. Wang, and K. Raghunath Rao, Iconic representation and recognition using affine-invariant spectral signatures, IUW, 1277–1285.
483. Y. Zheng and B. Bhanu, Performance improvement by input adaptation using modified Hebbian learning, IUW, 1381–1387.
484. S. Rong and B. Bhanu, Reinforcement learning for integrating context with clutter models for target detection, IUW, 1389–1394.
485. D. Nair and J.K. Aggarwal, A focused target segmentation paradigm, ECCV A, 579–588.
486. K. Ikeuchi, T. Shakunaga, M.D. Wheeler, and T. Yamazaki, Invariant histograms and deformable template matching for SAR target recognition, CVPR, 100–105.
487. S. Rong and B. Bhanu, Modeling clutter and context for target detection in infrared images, CVPR, 106–113.
488. L.A. Chan, N.M. Nasrabadi, and V. Mirelli, Multi-stage target recognition using modular vector quantizers and multilayer Perceptrons, CVPR, 114–119.
489. P. Burlina, B. Lin, and R. Chellappa, On a spectral attentional mechanism, CVPR, 120–127.
490. S. Ghosal and D.C. McKee, Target detection in foveal ATR systems, CVPR, 714–719.
491. D. Nair and J.K. Aggarwal, Hierarchical, modular architectures for object recognition by parts, ICPR A, 601–606.
492. M.R. Stevens and J.R. Beveridge, Interleaving 3D model feature prediction and matching to support multi-sensor object recognition, ICPR A, 607–611.
493. R. Ruskoné, L. Guigues, S. Airault, and O. Jamet, Vehicle detection on aerial images: A structural approach, ICPR C, 900–904.
494. Y.J. Zheng and B. Bhanu, Adaptive object detection based on modified Hebbian learning, ICPR D, 164–168.
495. S. Zhang and B. Bhanu, Automatic model construction for object recognition using ISAR images, ICPR D, 169–173.
496. J. Peng and B. Bhanu, Delayed reinforcement learning for closed-loop object recognition, ICPR D, 310–314.
497. H. Osman and S.D. Blostein, SAR image processing using probabilistic winner-take-all learning and artificial neural networks, ICIP B, 613–616.
498. D. Rosario, Managing within-class target variability in SAR imagery with a target decomposition model, ICIP C, 935–938.

C.7. Remote sensing

499. Third International Conference/Workshop on Integrating Geographic Information Systems and Environmental Modeling, Santa Fe, NM, January 21–25, 1996.

500. W.G. Fishell, A.A. Andraitis, A.C. Crane Jr., and M.S. Fagan, eds., Airborne Reconnaissance XX (Denver, CO, August 6-7, 1996), *Proc. SPIE* **2829**.
501. IAPR Workshop on Methods for Extracting and Mapping Buildings, Roads, and Other Man-Made Structures from Images, Graz, Austria, September 2-3, 1996.
502. International Workshop on Algorithmic Foundations of Geographic Information Systems, Udine, Italy, September 16-20, 1996.
503. J. Desachy, ed., Image and Signal Processing for Remote Sensing, Taormina, Sicily, September 23-27, 1996.
504. Fourth ACM International Workshop on Advances in Geographic Information Systems, Rockville, MD, November 15-16, 1996.
505. E. Binaghi, P.A. Brivio, A. Rampini, and R.A. Schowengerdt, guest eds., Special Issue on Non-Conventional Pattern Analysis in Remote Sensing, *PRL* **17**(13), November 25, 1996, 1323-1414.
506. U.M. Fayyad, S.G. Djorkovski, and N. Weir, From digital images to online catalogs, *AI Magazine* **17**(2), 1996, 51-66.
507. T. Kim and J.P. Muller, Automated urban area building extraction from high resolution stereo imagery, *IVC* **14**, 1996, 115-130.
508. E. Chiarello, J.M. Jolion, and C. Amoros, Region(s) growing with the stochastic pyramid: Application in landscape ecology, *PR* **29**, 1996, 61-75.
509. S. Krishnamachari and R. Chellappa, Delineating buildings by grouping lines with MRF's, *T-IP* **5**, 1996, 164-168.
510. D. Geman and B. Jedynak, An active testing model for tracking roads in satellite image, *T-PAMI* **18**, 1996, 1-14.
511. M. Barzohar and D.B. Cooper, Automatic finding of main roads in aerial images by using geometric-stochastic models and estimation, *T-PAMI* **18**, 1996, 707-721.
512. D.P. Mandal, C.A. Murthy, and S.K. Pal, Analysis of IRS imagery for detecting man-made objects with a multivalued recognition system, *T-SMC* **26A**, 1996, 241-247.
513. D.M. McKeown Jr., G.E. Bulwinkle, S.D. Cochran, S.J. Ford, S.J. Gifford, Y.C. Hsieh, C. McGlone, J. McMahonill, M.F. Polis, M. Roux, and J.A. Shufelt, Research in the automated analysis of remotely sensed imagery: 1994-1995, *IUW*, 215-245.
514. B. Bremner, A. Hoogs, and J. Mundy, Integration of image understanding exploitation algorithms in the RADIUS testbed, *IUW*, 255-268.
515. J.D. Sargent and J.B. Loraine, Imagery exploitation applications for image understanding, *IUW*, 269-274.
516. R. Chellappa, X. Zhang, P. Burlina, C. Lin, Q. Zheng, L. Davis, and A. Rosenfeld, An integrated system for site model supported monitoring of transportation activities in aerial images, *IUW*, 275-304.
517. R.T. Collins, A.R. Hanson, E.M. Riseman, C.O. Jaynes, F. Stolle, X. Wang, and Y.Q. Cheng, UMass progress in 3D building model acquisition, *IUW*, 305-315.
518. R. Nevatia, USC RADIUS related research: An overview, *IUW*, 317-323.

519. D.M. McKeown Jr., S.J. Gifford, M.F. Polis, J. McMahonill, and C.D. Hoffman, Progress in automated virtual world construction, IUW, 325-335.
520. P. Fua and T. Strat, Model-based and context-based vision at SRI, IUW, 337-341.
521. A. Heller, P. Fua, C. Connolly, and J. Sargent, The site-model construction component of the RADIUS testbed system, IUW, 345-355.
522. X. Liu, R. Haralick, and K. Thornton, Site model construction using geometric constrained optimization, IUW, 357-371.
523. T.A. Russ, R.M. MacGregor, and B. Salemi, VEIL: Combining semantic knowledge with image understanding, IUW, 373-380.
524. A. Huertas and R. Nevatia, Detecting changes in aerial views of man-made structures, IUW, 381-388.
525. R. Chellappa, S. Kuttikkad, R. Meth, P. Burlina, K. Eom, and C. Shekhar, Model-supported exploitation of SAR imagery, IUW, 389-407.
526. P. Fua, Cartographic applications of model-based optimization, IUW, 409-419.
527. B. Kniffin and A. Hoogs, Database support for exploitation image understanding, IUW, 421-427.
528. S. Heuel and R. Nevatia, Including interaction in an automated modeling system, IUW, 429-434.
529. Y. Hsieh, Design and evaluation of a semi-automated site modeling system, IUW, 435-459.
530. C. Lin and R. Nevatia, Building(s) detection and description from monocular aerial images, IUW, 461-468.
531. S. Noronha and R. Nevatia, Detection and description of buildings from multiple aerial images, IUW, 469-478.
532. C.O. Jaynes, F.R. Stolle, H. Schultz, R.T. Collins, A.R. Hanson, and E.M. Riseman, Three-dimensional grouping and information fusion for site modeling from aerial images, IUW, 479-490.
533. E. Riseman, H. Schultz, W.J. Lim, B. Draper, and A. Hanson, Daedalus battlefield visualization system, IUW, 491-500.
534. R.K. Srihari, Z. Zhang, M. Venkatraman, and R. Chopra, Using speech input for image interpretation and annotation, IUW, 501-510.
535. W.H. Hudson, D.C. Nadadur, K.B. Thornton, X. Liu, and R.M. Haralick, The RADIUS imagery CDROM ground truthed data set, IUW, 511-519.
536. K. Rao, Shape description of curved 3-D objects for aerial surveillance, IUW, 1065-1075.
537. J.A. Shufelt, Performance evaluation and analysis of vanishing point detection techniques, IUW, 1113-1132.
538. B.A. Draper, Learning grouping strategies for 2D and 3D object recognition, IUW, 1447-1454.
539. X. Liu, T. Kanungo, and R.M. Haralick, Statistical validation of computer vision software, IUW, 1533-1540.

540. F. Bignone, O. Henricsson, P. Fua, and M. Stricker, Automatic extraction of generic house roofs from high resolution aerial imagery, ECCV A, 85-96.
541. S. Sarkar and K.L. Boyer, Quantitative measures of change based on feature organization: Eigenvalues and eigenvectors, CVPR, 478-483.
542. Y. Hsieh, SiteCity: A semi-automated site modelling system, CVPR, 499-506.
543. J.F. Haddon and J.F. Boyce, Spatio-temporal relaxation labelling applied to segmented infrared image sequences, ICPR B, 171-175.
544. S. Dugelay, C. Graffigne, and J. Augustin, Segmentation of multibeam acoustic imagery in the exploration of the deep sea-bottom, ICPR B, 437-446.
545. N. Babaguchi, S. Dan, and T. Kitahashi, Generation of sketch map image and its instructions to support the understanding of geographical information, ICPR C, 274-278.
546. A. Mukherjee, S.K. Parui, D. Chaudhuri, B.B. Chaudhuri, and R. Krishnan, An efficient algorithm for detection of road-like structures in satellite images, ICPR C, 875-879.
547. D. Torkar and N. Pavesic, Feature extraction from aerial images and structural stereo matching, ICPR C, 880-884.
548. W. Willuhn and F. Ade, A rule-based system for house reconstruction from aerial images, ICPR C, 885-889.
549. M. Prantl, H. Ganster, and A. Pinz, Active fusion using Bayesian networks applied to multi-temporal remote sensing imagery, ICPR C, 890-894.
550. R. Azencott, F. Durbin, and J. Paumard, Multiscale identification of buildings in compressed large aerial scenes, ICPR C, 974-978.
551. B.A. Draper, Modeling object recognition as a Markov decision process, ICPR D, 95-99.
552. M. Peura, A. Visa, and P. Kostamo, A new approach to land-based cloud classification, ICPR D, 143-147.
553. A. Winter, H. Maitre, N. Cambou, and E. Legrand, Object detection using a multiscale probability model, ICIP A, 269-272.
554. R.E. Fayek and A.K.C. Wong, Extracting buildings from aerial topographic maps, ICIP B, 401-404.
555. R. Azencott, F. Durbin, and J. Paumard, Robust recognition of buildings in compressed large aerial scenes, ICIP B, 617-620.
556. D. Canu, J.P. Gambotto, J.A. Sirat, and N. Ayache, Reconstruction of buildings from multiple high resolution images, ICIP B, 621-624.
557. B.S. Manjunath and W.Y. Ma, Browsing large satellite and aerial photographs, ICIP B, 765-768.

D. Computational Techniques

D.1. Architectures and environments

558. R. Miller and Q.F. Stout, *Parallel Algorithms for Regular Architectures: Meshes and Pyramids*, MIT Press, Cambridge, MA, 1996.

559. M. Maresca, guest ed., Special Issue on Parallel Architectures for Image Processing, *P-IEEE* **84**(7), July 1996, 915–1049.
560. T.J. Olson, J.R. Taylor, and R.J. Lockwood, Programming a pipelined image processor, *CVIU* **64**, 1996, 351–367.
561. C.E. Leiserson, Z.S. Abuhamdeh, D.C. Douglas, C.R. Feynman, M.N. Gonmukhi, J.V. Hill, W.D. Hillis, B.C. Kuszmaul, M.A. St. Pierre, D.S. Wells, M.C. Wong-Chan, S.W. Yang, and R. Zak, The network architecture of the Connection Machine CM-5, *JPDC* **33**, 1996, 145–158.
562. D.A. Bader and J. JáJá, Parallel algorithms for image histogramming and connected components with an experimental study, *JPDC* **35**, 1996, 173–190.
563. C.K.Y. Ng, L.K.L. Pun, D.M.C. Ip, M. Hamdi, and I. Ahmed, Embedding pyramids into 3D meshes, *JPDC* **36**, 1996, 173–184.
564. P. Baglietto, M. Maresca, M. Migliardi, and N. Zingirian, Image processing on high-performance RISC systems, *P-IEEE* **84**, 1996, 907–930.
565. C.L. Wang, P.B. Bhat, and V.K. Prasanna, High-performance computing for vision, *P-IEEE* **84**, 1996, 931–946.
566. W.E. Alexander, D.S. Reeves, and C.S. Gloster Jr., Parallel image processing with the block data parallel architecture, *P-IEEE* **84**, 1996, 947–968.
567. A. Krikelis and R.M. Lee, A modular massively parallel computing approach to image-related processing, *P-IEEE* **84**, 1996, 988–1004.
568. D.W. Hammerstrom and D.P. Lulich, Image processing using one-dimensional processor arrays, *P-IEEE* **84**, 1996, 1005–1018.
569. M.J. Colaitis, J.L. Jumpertz, B. Guerin, B. Choron, F. Battini, B. DeLescure, E. Gautier, and J.P. Geffroy, The implementation of P³I, a parallel architecture for video real-time processing: A case study, *P-IEEE* **84**, 1996, 1019–1037.
570. D.M. Wu and L. Guan, A distributed real-time image processing system, *RTI* **1**, 1995, 427–435.
571. T. Satou and M. Sakauchi, A software multimedia platform with real-time video manipulation capability, *RTI* **2**, 1996, 153–162.
572. J. Kim and Y. Kim, UWICL: A multi-layered parallel image computing library for single-chip multiprocessor-based time-critical systems, *RTI* **2**, 1996, 187–199.
573. A.Q. Fong, A. Kanji, and J.P. de Gyvez, Time-multiplexing scheme for cellular neural networks based image processing, *RTI* **2**, 1996, 231–239.
574. C.M. Wittenbrink, A.K. Somani, and C.H. Chen, Cache write generate for parallel image processing on shared memory architectures, *T-IP* **5**, 1996, 1204–1208.
575. S.A. Chien and H.B. Mortensen, Automating image processing for scientific data analysis of a large image database, *T-PAMI* **18**, 1996, 854–859.
576. J. Dolan, C. Kohl, R. Lerner, J. Mundy, T. Boulton, and J.R. Beveridge, Solving diverse image understanding problems using the Image Understanding Environment, *IUW*, 1481–1504.
577. C. Shekhar, S. Kuttikkad, and R. Chellappa, Knowledge-based integration of IU algorithms, *IUW*, 1525–1532.

578. F. Du, A. Izatt, and C. Bandera, An MIMD computing platform for a hierarchical foveal machine vision system, CVPR, 720-725.
579. M.P. Johnson, Automated creation of visual routines using genetic programming, ICPR A, 951-956.
580. C. de Boer and A.W.M. Smeulders, BESSI: An experimentation system for vision module evaluation, ICPR C, 109-113.
581. J.G.E. Olk and P.P. Jonker, Bucket processing: A paradigm for image processing, ICPR D, 386-390.
582. N. Yamashita, Y. Fujita, and S. Okazaki, An integrated memory array processor with a synchronous-DRAM interface for real-time vision applications, ICPR D, 575-580.
583. C. Shekhar, S. Kuttikkad, R. Chellappa, and M. Thonnat, Knowledge-based integration of IU algorithms, ICPR D, 599-605.
584. N. Ranganathan, N. Bhavanishankar, and N. Vijaykrishnan, A dynamic frequency linear array processor for image processing, ICPR D, 611-615.
585. L. Cinque, A parallel partial-sums computation on a pyramid machine, ICPR D, 616-619.
586. A. Biancardi and A. Mérigot, Connected component support for image analysis programs, ICPR D, 620-624.
587. M. Nölle and G. Schreiber, Data distribution concepts for parallel image processing, ICPR D, 728-733.
588. D. Galinec, J.L. Dekeyser, and P. Marquet, Mixed synchronous-asynchronous approach for real-time image processing: A(n) MPEG-like coder, ICIP B, 121-124.
589. M.R. Spieth and J.P. Hulskamp, Parallel image processing on single processor systems, ICIP B, 133-136.
590. Y. Sorel, Real-time embedded image processing applications using the A^3 methodology, ICIP B, 145-148.
591. Y.S. Sim, C.S. Lim, Y.S. Moon, and S.H. Park, Design and implementation of the visual programming environment for (the) distributed image processing, ICIP B, 149-152.
592. Z.J.A. Mou, D.S. Rice, and W. Ding, VIS-based native video processing on UltraSPARC, ICIP B, 153-156.
593. Y. Rhee and J. Lee, Prefetching scheme for image processing on shared memory multiprocessors, ICIP B, 157-160.
594. P. Chalermwat, N. Alexandridis, P. Piamsa-Nga, and M. O'Connell, Parallel image processing in heterogeneous computing network systems, ICIP B, 161-164.
595. P.A. Riocreux and R.B. Yates, Non-synchronous control of bit-serial video signal processor array architecture, ICIP B, 165-168.
596. N. Vijaykrishnan, N. Ranganathan, and N. Bhavanishankar, DFLAP: A dynamic frequency linear array processor, ICIP B, 1007-1010.
597. P.F. Rüedi, P.R. Marchal, and X. Arreguit, A mixed digital-analog SIMD chip tailored for image perception, ICIP B, 1011-1014.

598. W. Melchert, Automatic flow control planning for real-time image processing devices, *ICIP C*, 643-646.

D.2. Databases

599. I.K. Sethi and R.C. Jain, eds., Storage and Retrieval for Still Image and Video Databases IV (San Jose, CA, February 1-2, 1996), *Proc. SPIE* **2670**.
600. Visual '96, First International Conference on Visual Information Systems, Melbourne, Australia, February 5-6, 1996.
601. First International Workshop on Image Databases and Multi-Media Search, Amsterdam, The Netherlands, August 22-23, 1996.
602. C.C.J. Kuo, ed., Multimedia Storage and Archiving Systems (Boston, MA, November 18-19, 1996), *Proc. SPIE* **2916**.
603. S.K. Chang and E. Jungert, *Symbolic Projection for Image Information Retrieval and Spatial Reasoning*, Academic Press, San Diego, CA, 1996.
604. S.S. Chen, guest ed., Special Issue on Digital Libraries, *JVCIR* **7**(1), March 1996, 1-102.
605. R.W. Picard and A.P. Pentland, guest eds., Special Section on Digital Libraries: Representation and Retrieval, *T-PAMI* **18**(8), August 1996, 769-853.
606. H.D. Wactlar, T. Kanade, M.A. Smith, and S.M. Stevens, Intelligent access to digital video: Informedia project, *Computer* **29**(5), 1996, 46-52.
607. T.R. Smith, A digital library for geographically referenced materials, *Computer* **29**(5), 1996, 54-60.
608. C. Meghini, Logical image modelling and retrieval, *Computer J.* **39**, 1996, 173-183.
609. A. Pentland, R.W. Picard, and S. Sclaroff, Photobook: Content-based manipulation of image databases, *IJCV* **18**, 1996, 233-254.
610. P.W. Huang and Y.R. Jean, Design of large intelligent image database systems, *IJIS* **11**, 1996, 347-365.
611. C.C. Chang and J. Liang, Dynamic pictorial database(s) design for similarity retrieval, *IS* **87**, 1995, 29-46.
612. G. Ahanger and T.D.C. Little, A survey of techniques for parsing and indexing digital video, *JVCIR* **7**, 1996, 28-43.
613. E. Hwang and V.S. Subrahmanian, Querying video libraries, *JVCIR* **7**, 1996, 44-60.
614. P.W. Huang and Y.R. Jean, Reasoning about pictures and similarity retrieval for image information systems based on SK-set knowledge representation, *PR* **28**, 1995, 1915-1925.
615. A.K. Jain and A. Vailaya, Image retrieval using color and shape, *PR* **29**, 1996, 1233-1244.
616. P.W. Huang and Y.R. Jean, Spatial reasoning and similarity retrieval for image database systems based on RS-strings, *PR* **29**, 1996, 2103-2114.
617. T. Pun and D. Squire, Statistical structuring of pictorial databases for content-based image retrieval systems, *PRL* **17**, 1996, 1299-1310.

618. M.S. Chen, C.S. Li, and P.S. Yu, Using content-based search to download digital video into a client station, *RTI* 2, 1996, 35-44.
619. Y. Gorg, C.H. Chuan, (Y. Zhu), and M. Sakauchi, A generic video parsing system with a scene description language (SDL), *RTI* 2, 1996, 45-59.
620. V.N. Gudivada and G.S. Jung, An architecture for and query processing in distributed content-based image retrieval, *RTI* 2, 1996, 139-152.
621. C.C. Hsu, W.W. Chu, and R.K. Taira, A knowledge-based approach for retrieving images by content, *T-KDE* 8, 1996, 522-532.
622. M. Nabil, A.H.H. Ngu, and J. Shepherd, Picture similarity retrieval using the 2D projection interval representation, *T-KDE* 8, 1996, 533-539.
623. H. Samet and A. Soffer, MARCO: MAp Retrieval by COntent, *T-PAMI* 18, 1996, 783-798.
624. M. Shneier and M. Abdel-Mottaleb, Exploiting the JPEG compression scheme for image retrieval, *T-PAMI* 18, 1996, 849-853.
625. M. Werman and D. Weinshall, Complexity of indexing: Efficient and learnable large database indexing, *IUW*, 1193-1198.
626. S. Ravela, R. Manmatha, and E.M. Riseman, Scale-space matching and image retrieval, *IUW*, 1199-1207.
627. S.D. Cohen and L.J. Guibas, Shape-based illustration indexing and retrieval: Some first steps, *IUW*, 1209-1212.
628. G. Kutlu, B.A. Draper, J.E.B. Moss, E.M. Riseman, and A.R. Hanson, Persistent data management for visual applications, *IUW*, 1519-1523.
629. S. Ravela, R. Manmatha, and E.M. Riseman, Image retrieval using scale-space matching, *ECCV A*, 273-282.
630. M. Werman and D. Weinshall, Complexity of indexing: Efficient and learnable large database indexing, *ECCV A*, 660-670.
631. R. Zabih, J. Miller, and K. Mai, Video browsing using edges and motion, *CVPR*, 439-446.
632. T.P. Minka and R.W. Picard, Interactive learning with a "society of models", *CVPR*, 447-452.
633. S. Santini and R. Jain, Similarity queries in image databases, *CVPR*, 646-651.
634. C. Schmid and R. Mohr, Combining greyvalue invariants with local constraints for object recognition, *CVPR*, 872-877.
635. B. Günsel and A.M. Tekalp, Similarity analysis for shape retrieval by example, *ICPR B*, 330-334.
636. T. Gevers and A.W.M. Smeulders, Color-metric pattern-card matching for viewpoint invariant image retrieval, *ICPR C*, 3-7.
637. D.P. Huijsmans and M.S. Lew, Efficient content-based image retrieval in digital picture collections using projections: (Near)-copy location, *ICPR C*, 104-108.
638. A. Soffer and H. Samet, Pictorial queries by image similarity, *ICPR C*, 114-119.

639. A. Del Bimbo and P. Pala, Effective image retrieval using deformable templates, ICPR C, 120-124.
640. J.M. Corridoni and A. Del Bimbo, Structured digital video indexing, ICPR C, 125-129.
641. K. Hachimura, Retrieval of paintings using principal color information, ICPR C, 130-134.
642. E. Ardizzone, M. La Cascia, and D. Molinelli, Motion and color-based video indexing and retrieval, ICPR C, 135-139.
643. E. Ardizzone, M. La Cascia, V. Di Gesu, and C. Valenti, Content-based indexing of image and video databases by global and shape features, ICPR C, 140-144.
644. J. Bigün, S.K. Bhattacharjee, and S. Michel, Orientation radiograms for image retrieval: An alternative to segmentation, ICPR C, 346-350.
645. A. Del Bimbo and P. Pala, Image indexing using shape-based visual features, ICPR C, 351-355.
646. A. Vailaya, Y. Zhong, and A.K. Jain, A hierarchical system for efficient image retrieval, ICPR C, 356-360.
647. I.J. Cox, M.L. Miller, S.M. Omohundro, and P.N. Yianilos, PicHunter: Bayesian relevance feedback for image retrieval, ICPR C, 361-369.
648. J. Demsar and F. Solina, Using machine learning for content-based image retrieving, ICPR D, 138-142.
649. J. Malik, D.A. Forsyth, M.M. Fleck, H. Greenspan, T. Leung, C. Carson, Z. Belongie, and C. Bregler, Finding objects in image databases by grouping, ICIP B, 761-764.
650. R.W. Picard, T.P. Minka, and M. Szummer, Modeling user subjectivity in image libraries, ICIP B, 777-780.
651. C. Schmid and R. Mohr, Image retrieval using local characterization, ICIP B, 781-784.
652. E. Saber and A.M. Tekalp, Integration of color, shape, and texture for image annotation and retrieval, ICIP C, 851-854.
653. G. Iyengar and A. Lippman, Videobook: An experiment in characterization of video, ICIP C, 855-858.
654. R. Milanese, D. Squire, and T. Pun, Correspondence analysis and hierarchical indexing for content-based image retrieval, ICIP C, 859-862.
655. R.P. Menon, R.S. Acharya, and A. Zhang, Content based image query from image databases using spatio-temporal transforms and fractal analysis methods, ICIP C, 863-866.
656. A. Vellaikal and C.C.J. Kuo, Joint spatial-spectral indexing for image retrieval, ICIP C, 867-870.
657. B. Tao and B. Dickinson, Template-based image retrieval, ICIP C, 871-874.
658. M.D. Swanson and A.H. Tewfik, Embedded object dictionaries for image database browsing and searching, ICIP C, 875-878.
659. J.R. Smith and S.F. Chang, Local color and texture extraction and spatial query, ICIP C, 1011-1014.

D.3. Operations (morphological, etc.)

- 660. ISMM '96, International Symposium on Mathematical Morphology and its Application to Image and Signal Processing III, Atlanta, GA, May 11–13, 1996.
- 661. T. Szoplik, ed., *Selected Papers on Morphological Image Processing: Principles and Optoelectronic Implementations*, SPIE, Bellingham, WA, 1996 (MS 127).
- 662. E.J. Breen and R. Jones, Attribute openings, thinnings, and granulometries, *CVIU* 64, 1996, 377–389.
- 663. H.J.A.M. Heijmans, Self-dual morphological operators and filters, *JMIV* 6, 1996, 15–36.
- 664. P.K. Ghosh, The indecomposability problem in binary morphology: An algorithmic approach, *JMIV* 6, 1996, 169–198.
- 665. P.K. Ghosh and R.M. Haralick, Mathematical morphological operations of boundary-represented geometric objects, *JMIV* 6, 1996, 199–222.
- 666. P.F.M. Nacken, Chamfer metrics, the medial axis and mathematical morphology, *JMIV* 6, 1996, 235–248.
- 667. C.C. Han and K.C. Fan, Finding of optimal binary morphological erosion filter via greedy and branch & bound searching, *JMIV* 6, 1996, 335–353.
- 668. C. Ronse, A lattice-theoretical morphological view on template extraction in images, *JVCIR* 7, 1996, 273–295.
- 669. B. Singh and M.U. Siddiqi, A simplified algorithm for approximate separable decomposition of morphological templates, *PR* 29, 1996, 1519–1522.
- 670. R. Jones and P. Soille, Periodic lines: Definition, cascades, and application to granulometries, *PRL* 17, 1996, 1057–1063.
- 671. R.A. Lane, N.A. Thacker, L. Seed, and P.A. Ivey, A generalized computer vision chip, *RTI* 2, 1996, 203–213.
- 672. O.I. Camps, T. Kanungo, and R.M. Haralick, Gray-scale structuring element decomposition, *T-IP* 5, 1996, 111–120.
- 673. B.K. Jang and R.T. Chin, Comments on “On the invertibility of morphological representation of binary images”, *T-IP* 5, 1996, 529–532.
- 674. N.D. Sidiropoulos, J.S. Baras, and C.A. Berenstein, Further results on MAP optimality and strong consistency of certain classes of morphological filters, *T-IP* 5, 1996, 762–764.
- 675. P. Maragos, Differential morphology and image processing, *T-IP* 5, 1996, 922–937.
- 676. D. Wang and J. Ronsin, Bounded gray-level morphology and its applications to image representation, *T-IP* 5, 1996, 1067–1073.
- 677. S.J. Ko, A. Morales, and K.H. Lee, Fast recursive algorithms for morphological operators based on the basic matrix representations, *T-IP* 5, 1996, 1073–1077.
- 678. A.S. Sherstinsky and R.W. Picard, M-lattice: From morphogenesis to image processing, *T-IP* 5, 1996, 1137–1150.
- 679. E.P. Simoncelli and H. Farid, Steerable wedge filters for local orientation analysis, *T-IP* 5, 1996, 1377–1382.

680. D. Coltuc and I. Pitas, Morphological residual representations of signals, *T-IP* 5, 1996, 1569–1572.
681. P. Soille, E.J. Breen, and R. Jones, Recursive implementation of erosions and dilations along discrete lines at arbitrary angles, *T-PAMI* 18, 1996, 562–567.
682. M.A. Zmuda and L.A. Tamburino, Efficient algorithms for the soft morphological operators, *T-PAMI* 18, 1996, 1142–1147.
683. Y. Hel-Or and P.C. Teo, Canonical decomposition of steerable functions, *CVPR*, 809–816.
684. S. Grossert, M. Köppen, and B. Nickolay, A new approach to fuzzy morphology based on fuzzy integral and its application in image processing, *ICPR B*, 625–630.
685. C.S. Regazzoni and G.L. Foresti, Properties of binary statistical morphology, *ICPR B*, 631–635.
686. H.T. Yang and S.J. Lee, Optimal decomposition of morphological structuring elements, *ICIP C*, 1–4.
687. M. Vanrell and J. Vitria, 3×3 decomposition of circular structuring elements, *ICIP C*, 5–8.
688. B. Singh and M.U. Siddiqi, On MAP optimality of gray-scale morphological filters, *ICIP C*, 29–32.
689. B. Singh and M.U. Siddiqi, Statistical optimization of gray-scale morphological filters, *ICIP C*, 33–36.

D.4. Multiscale methods

690. A. Califano, R. Kjeldsen, and R.M. Bolle, Data- and model-driven multiresolution processing, *CVIU* 63, 1996, 27–49.
691. E. Bertin, H. Bischof, and P. Bertolino, Voronoi pyramids controlled by Hopfield neural networks, *CVIU* 63, 1996, 462–475.
692. H. Olkkonen and P. Pesola, Gaussian pyramid wavelet transform for multiresolution analysis of images, *GMIP* 58, 1996, 394–398.
693. L. Florack, The Gaussian scale-space paradigm and the multiscale local jet, *IJCV* 18, 1996, 61–75.
694. H.H.S. Ip and S.W.C. Lam, Alternative strategies for irregular pyramid construction, *IVC* 14, 1996, 297–304.
695. S. Mallat, Wavelets for a vision, *P-IEEE* 84, 1996, 604–614.
696. B. Li, Repeatedly smoothing, discrete scale-space evolution and dominant point detection, *PR* 29, 1996, 1049–1059.
697. T. Kubota and C.O. Alford, Computation of orientation filters for real-time computer vision problems II: Multi-resolution image decomposition, *RTI* 2, 1996, 91–116.
698. P.T. Jackway, Gradient watersheds in morphological scale space, *T-IP* 5, 1996, 913–921.

699. P.T. Jackway and M. Deriche, Scale-space properties of the multiscale morphological dilation-erosion, *T-PAMI* **18**, 1996, 38–51.
700. V. Anh, J.Y. Shi, and H.T. Tsui, Scaling theorems for zero crossings of bandlimited signals, *T-PAMI* **18**, 1996, 309–320.
701. J.A. Bangham, P.D. Ling, and R. Harvey, Scale-space from nonlinear filters, *T-PAMI* **18**, 1996, 520–528.
702. J.A. Bangham, P. Chardaire, C.J. Pye, and P.D. Ling, Multiscale nonlinear decomposition: The sieve decomposition theorem, *T-PAMI* **18**, 1996, 529–539.
703. K.R. Park and C.N. Lee, Scale-space using mathematical morphology, *T-PAMI* **18**, 1996, 1121–1126.
704. L. De Floriani, P. Marzano, and E. Puppo, Multiresolution models for topographic surface description, *VC* **12**, 1996, 317–345.
705. J.A. Bangham, R. Harvey, P.D. Ling, and R.V. Aldridge, Nonlinear scale-space from n -dimensional sieves, *ECCV A*, 189–198.
706. U. Köthe, Local appropriate scale in morphological scale-space, *ECCV A*, 219–228.
707. T. Lindeberg and D. Fagerström, Scale-space with causal time direction, *ECCV A*, 229–240.
708. A. Finkelstein, C.E. Jacobs, and D.H. Salesin, Multiresolution video, *SIGGRAPH*, 281–290.
709. G. Cong and S.D. Ma, Nonlinear diffusion for early vision, *ICPR A*, 403–406.
710. J. Sporring, The entropy of scale-space, *ICPR A*, 900–904.
711. M. García-Silvente, J. Fdez-Valdivia, and J.A. García, A multi-channel-based approach for extracting significant scales on gray-level images, *ICPR B*, 231–235.
712. S. Chinveeraphan, R. Takamatsu, and M. Sato, A hierarchical description of digital grayscale images based on image dipoles, *ICPR B*, 246–250.
713. K. Åström and A. Heyden, Stochastic analysis of scale-space smoothing, *ICPR B*, 305–309.
714. H. Yoshii, Pyramid architecture classification tree, *ICPR B*, 310–314.
715. G. Cong and S.D. Ma, Dyadic scale space, *ICPR B*, 399–402.
716. N. Rougon and F. Preteux, Understanding the structure of diffuse scale-spaces, *ICPR B*, 844–848.
717. J.A. Weickert, B.M. ter Haar Romeny, and M.A. Viergever, Conservative image transformations with restoration and scale-space properties, *ICIP A*, 465–468.
718. F. Dibos, Projective invariant multiscale analysis, *ICIP A*, 485–488.

D.5. Geometric operations; estimation, etc.

719. Y. Zhang, A fuzzy approach to digital image warping, *CG&A* **16**(4), 1996, 34–41.
720. H.D. Cheng and S.G. Nho, Transformation of gray level and color images, *IS* **90**, 1996, 179–202.

721. S.W. Lee, E.S. Kim, and Y.Y. Tang, Nonlinear shape restoration of distorted images with Coons transformation, *PR* **29**, 1996, 217–229.
722. M.B. Sukhaswami and A.K. Pujari, Restoration of geometrically aberrated images using a self-organising neural network, *PRL* **17**, 1996, 1–10.
723. A. Rao and B. Perens, Fast linear transformations for tiled images, *T-IP* **5**, 1996, 147–150.
724. S. Lee, G. Wolberg, K.Y. Chwa, and S.Y. Shin, Image metamorphosis with scattered feature constraints, *T-VCG* **2**, 1996, 337–354.
725. M.C. Chiang and T.E. Boult, The integrating resampler and efficient image warping, *IUW*, 843–849.
726. S.M. Seitz and C.R. Dyer, View morphing, *SIGGRAPH*, 21–30.
727. S.C. Pei and J.H. Horng, A moment-based approach for deskewing rotationally symmetric shapes, *ICPR A*, 248–252.
728. H. Tao and T.S. Huang, Multi-scale image warping using weighted Voronoi diagram, *ICIP A*, 241–244.
729. Q. Vu and Y. Li, A fast warping algorithm for correcting local distortions in binary images, *ICIP B*, 209–212.
730. S.M. Bhandarkar and H. Yu, VLSI implementation of real-time image rotation, *ICIP B*, 1015–1018.
731. D. Fraser, H. He, and R. Schowengerdt, High fidelity image warping for serial and parallel processing, *ICIP C*, 719–722.
732. Y. Aoki and S. Kang, Morphing of 2-D models by Fresnel transform, *ICIP C*, 727–730.
733. A.K. Chaturvedi and L.A. Piegl, Procedural method for terrain surface interpolation, *C&G* **20**, 1996, 541–566.
734. I. Cohen and L.D. Cohen, A hybrid hyperquadric model for 2-D and 3-D data fitting, *CVIU* **63**, 1996, 527–541.
735. M.J. Black and A. Rangarajan, On the unification of line processes, outlier rejection, and robust statistics with applications in early vision, *IJCV* **19**, 1996, 57–91.
736. R.L. Kashyap and J.N. Liaw, Subset least squares method for robust speech and image processing, *IJPRAI* **10**, 1996, 447–471.
737. R.M. Haralick, Propagating covariance in computer vision, *IJPRAI* **10**, 1996, 561–572.
738. S.Z. Li, Robusticizing robust M-estimation using deterministic annealing, *PR* **29**, 1996, 159–166.
739. J. Strackee, The slope of a straight line: A phony estimator, *T-PAMI* **18**, 1996, 1051–1052.
740. S.Z. Li, K.L. Chan, and H. Wang, Bayesian image restoration and segmentation by constrained optimization, *CVPR*, 1–6.

- 741. Z. Lei and D.B. Cooper, New, faster, more controlled fitting of implicit polynomial 2D curves and 3D surfaces to data, *CVPR*, 514–519.
- 742. M. Gökmen and A.K. Jain, $\lambda\tau$ -space representation of images and generalized edge detector, *CVPR*, 764–769.
- 743. W.J. Ho and W.T. Chang, Wavelet representation for multigrid computation in surface interpolation problem, *ICPR A*, 740–744.
- 744. S.S. Saquib, C.A. Bouman, and K. Sauer, A non-homogeneous MRF model for multi-resolution Bayesian estimation, *ICIP B*, 445–448.
- 745. M. Nikolova, Regularisation functions and estimators, *ICIP B*, 457–460.
- 746. V. Solo, A sure-fired way to choose smoothing parameters in ill-conditioned inverse problems, *ICIP C*, 89–92.

D.6. Calibration

- 747. L. Robert, Camera calibration without feature extraction, *CVIU* **63**, 1996, 314–325.
- 748. L. Quan, Self-calibration of an affine camera from multiple views, *IJCV* **19**, 1996, 93–105.
- 749. I.D. Reid and P.A. Beardsley, Self-alignment of a binocular robot, *IVC* **14**, 1996, 635–640.
- 750. I.D. Reid, Projective calibration of a laser-stripe range finder, *IVC* **14**, 1996, 659–666.
- 751. A. Cumani and A. Guiducci, Geometric camera calibration: The virtual camera approach, *MVA* **8**, 1995, 375–384.
- 752. X. Wan and G. Xu, Camera parameter(s) estimation and evaluation in active vision system, *PR* **29**, 1996, 439–447.
- 753. S. Shah and J.K. Aggarwal, Intrinsic parameter calibration procedure for a (high-distortion) fish-eye lens camera with distortion model and accuracy estimation, *PR* **29**, 1996, 1775–1788.
- 754. K. Daniilidis and J. Ernst, Active intrinsic calibration using vanishing points, *PRL* **17**, 1996, 1179–1189.
- 755. H. Zhuang, W.C. Wu, and Z.S. Roth, Camera-assisted calibration of SCARPA arms, *R&A* **3**(4), 1996, 46–53.
- 756. P.F. McLauchlan and D.W. Murray, Active camera calibration for a head-eye platform using the variable state-dimension filter, *T-PAMI* **18**, 1996, 15–22.
- 757. M. Li and J.M. Lavest, Some aspects of zoom lens camera calibration, *T-PAMI* **18**, 1996, 1105–1110.
- 758. Z. Zheng, Q.T. Luong, and O. Faugeras, Motion of an uncalibrated stereo rig: Self-calibration and metric reconstruction, *T-RA* **12**, 1996, 103–113.
- 759. S.D. Ma, A self-calibration technique for active vision systems, *T-RA* **12**, 1996, 114–120.
- 760. H. Zhuang and W.C. Wu, Camera calibration with a near-parallel (ill-conditioned) calibration board configuration, *T-RA* **12**, 1996, 918–921.

761. J.C. Owen, H.J. de St. Germain, S. Stark, T.C. Henderson, and W.B. Thompson, Calibrated imagery for quantitative evaluation of IU classification, pose-estimation, and stereo algorithms, *IUW*, 1459–1464.
762. M. Armstrong, A. Zisserman, and R. Hartley, Self-calibration from image triplets, *ECCV A*, 3–16.
763. M.J. Brooks, L. de Agapito, D.Q. Huynh, and L. Baumela, Direct methods for self-calibration of a moving stereo head, *ECCV B*, 415–426.
764. L. Berthouze, S. Rougeaux, F. Chavand, and Y. Kuniyoshi, Calibration of a foveated wide-angle lens on an active vision head, *CVPR*, 183–188.
765. K. Daniilidis and J. Ernst, Active intrinsic calibration using vanishing points, *CVPR*, 708–713.
766. J. Ponce and Y. Genc, Epipolar geometry and linear subspace methods: A new approach to weak calibration, *CVPR*, 776–781.
767. J. Heikkilä and O. Silvén, Calibration procedure for short focal length off-the-shelf CCD-cameras, *ICPR A*, 166–170.
768. J. Batista, H. Araujo, and A.T. Almeida, Pose view stability analysis for camera look angle(s) computation, *ICPR A*, 171–175.
769. N. Asada, A. Amano, and M. Baba, Photometric calibration of zoom lens systems, *ICPR A*, 189–190.
770. K. Daniilidis and E. Bayro-Corrochano, The dual quaternion approach to hand-eye calibration, *ICPR A*, 318–322.
771. M. Pollefeys, L. Van Gool, and A. Oosterlinck, The modulus constraint: A new constraint for self-calibration, *ICPR A*, 349–353.
772. G. Florou and R. Mohr, What accuracy for 3D measurements with cameras, *ICPR A*, 354–358.
773. S.W. Shih, Y.P. Hung, and W.S. Lin, Accuracy analysis on the estimation of camera parameters for active vision systems, *ICPR A*, 930–935.
774. Y. Nakazawa, T. Komatsu, and T. Saito, A simple cue-based method for camera calibration and 3-D shape measurement with a single moving camera, *ICIP B*, 293–296.
775. J.H. Jang and K.S. Hong, Self-calibration of a stereo-camera by pure translational motion, *ICIP B*, 297–300.

E. Feature detection and segmentation; image and scene analysis

E.1. Features

776. B. Günsel, A.K. Jain, and E. Panayirci, Reconstruction and boundary detection of range and intensity images using multiscale MRF representations, *CVIU* **63**, 1996, 353–366.
777. R. Mehrotra and S. Zhan, A computational approach to zero-crossing-based two-dimensional edge detection, *GMIP* **58**, 1996, 1–17.

778. J. Shen, On multi-edge detection, *GMIP* **58**, 1996, 101-114.
779. P.L. Rosin, Augmenting corner descriptors, *GMIP* **58**, 1996, 286-294.
780. R. Hillebrand and P.P. Wang, A fuzzy logic approach to edge detection in HREM images of III-V crystals, *IS* **93**, 1996, 321-338.
781. R.E. Albright, A. Hussain, and L. Kurz, Robust two-sample partition detectors with application to image processing, *IS* **94**, 1996, 291-302.
782. J. Shen, Multi-edge detection by isotropical 2-D ISEF cascade, *PR* **28**, 1995, 1871-1885.
783. B.S. Manjunath, C. Shekhar, and R. Chellappa, A new approach to image feature detection with applications, *PR* **29**, 1996, 627-640.
784. H.T. Sheu and W.C. Hu, A rotationally invariant two-phase scheme for corner detection, *PR* **29**, 1996, 819-828.
785. C.H. Lamarque and F. Robert, Image analysis using space-filling curves and 1D wavelet bases, *PR* **29**, 1996, 1309-1322.
786. R.M. Palichenka and P. Zinterhof, A fast structure-adaptive evaluation of local features in images, *PR* **29**, 1996, 1495-1505.
787. A.G. Bolton, S.F. Brown, and W. Moran, A computationally efficient algorithm for enhancing linear features in images, *PR* **29**, 1996, 2017-2023.
788. J.C. Di Martino and S. Tabbone, An approach to detect LOFAR lines, *PRL* **17**, 1996, 37-46.
789. P. Qiu and S.M. Bhandarkar, An edge detection technique using local smoothing and statistical hypothesis testing, *PRL* **17**, 1996, 849-872.
790. K. Lee and Z. Bien, A gray-level corner detector using fuzzy logic, *PRL* **17**, 1996, 939-950.
791. D. Reisfeld, The Constrained Phase Congruency feature detector: Simultaneous localization, classification, and scale determination, *PRL* **17**, 1996, 1161-1169.
792. M. Azaria, I. Vitsnudel, and Y.Y. Zeevi, The design of two-dimensional gradient estimators based on one-dimensional operators, *T-IP* **5**, 1996, 155-159.
793. P.V. Henstock and D.M. Chelberg, Automatic gradient threshold determination for edge detection, *T-IP* **5**, 1996, 784-787.
794. G. Krieger and C. Zetziche, Nonlinear image operators for the evaluation of local intrinsic dimensionality, *T-IP* **5**, 1996, 1026-1042.
795. R.J. Qian and T.S. Huang, Optimal edge detection in two-dimensional images, *T-IP* **5**, 1996, 1215-1220.
796. T. Aydin, Y. Yemez, E. Anarim, and B. Sankur, Multiband and multiscale edge detection via M-band wavelet transform, *T-IP* **5**, 1996, 1370-1377.
797. S.G. Nadabar and A.K. Jain, Parameter estimation in Markov random field contextual models using geometric models of objects, *T-PAMI* **18**, 1996, 326-329.
798. W. Deng and S.S. Iyengar, A new probabilistic relaxation scheme and its application to edge detection, *T-PAMI* **18**, 1996, 432-437.

799. T. Law, H. Itoh, and H. Seki, Image filtering, edge detection, and edge tracing using fuzzy reasoning, *T-PAMI* **18**, 1996, 481–491.
800. P. Kube and P. Perona, Scale-space properties of quadratic feature detectors, *T-PAMI* **18**, 1996, 987–999.
801. Z. Wang, K. Raghunath Rao, and J. Ben-Arie, Optimal ramp edge detection using expansion matching, *T-PAMI* **18**, 1996, 1092–1097.
802. K. Kato, H. Ishiguro, and S. Tsuji, Estimating precise edge position by camera motion, *T-RA* **12**, 1996, 824–829.
803. B.H. Wang and T.O. Binford, Generic, model-based estimation and detection of peaks in image surfaces, *IUW*, 913–922.
804. S.J. Wang and T.O. Binford, Detection, estimation, and aggregation of three major types of discontinuities in image surfaces, *IUW*, 923–926.
805. D. Nandy, Z. Wang, J. Ben-Arie, K. Raghunath Rao, and N. Jojic, A generalized feature extractor using expansion matching and the Karhunen-Loeve transform, *IUW*, 969–972.
806. Y. Chung, V.K. Prasanna, and C.L. Wang, Parallel algorithms for linear approximation on distributed memory machines, *IUW*, 1465–1472.
807. J.H. Elder and S.W. Zucker, Local scale control for edge detection and blur estimation, *ECCV B*, 57–69.
808. M. Nielsen, L. Florack, and R. Deriche, Regularization, scale-space, and edge detection filters, *ECCV B*, 70–81.
809. J.H. Elder and S.W. Zucker, Space scale localization, blur, and contour-based image coding, *CVPR*, 27–34.
810. M. Heath, S. Sarkar, T. Sanocki, and K. Bowyer, Comparison of edge detectors: A methodology and initial study, *CVPR*, 143–148.
811. S. Casadei and S.K. Mitter, A hierarchical approach to high resolution edge contour reconstruction, *CVPR*, 149–154.
812. T. Lindeberg, Edge detection and ridge detection with automatic scale selection, *CVPR*, 465–470.
813. S.K. Nayar, S. Baker, and H. Murase, Parametric feature detection, *CVPR*, 471–477.
814. D. Reisfeld, Constrained phase congruency: Simultaneous detection of interest points and of their scales, *CVPR*, 562–567.
815. J. Merron and M. Brady, Isotropic gradient estimation, *CVPR*, 652–659.
816. D. Ziou and S. Wang, Isotropic processing for gradient estimation, *CVPR*, 660–665.
817. D. Reisfeld, Constrained phase congruency: Simultaneous detection of interest points and of their orientational scales, *ICPR A*, 750–754.
818. A. Heyden and K. Rohr, Evaluation of corner extraction schemes using invariance methods, *ICPR A*, 895–894.
819. Z. Wang, R.K. Rao, D. Nandy, J. Ben-Arie, and N. Jojic, A generalized expansion matching based feature extractor, *ICPR B*, 29–33.

820. C. Spinu, C. Garbay, and J.M. Chassery, A multi-agent approach to edge detection as a distributed optimization problem, ICPR B, 81-85.
821. K. Åström and A. Heyden, Stochastic modelling and analysis of sub-pixel edge detection, ICPR B, 86-90.
822. T.S. Chan and R.K.K. Yip, Line detection algorithm, ICPR B, 126-130.
823. S. Vitulano, M. Nappi, D. Vitulano, and C. Mastrovito, Edge detection using a new definition of entropy, ICPR B, 141-145.
824. C. Steger, Extraction of curved lines from images, ICPR B, 251-255.
825. K.Y. Kupeev, On significant maxima detection: A fine-to-coarse algorithm, ICPR B, 270-274.
826. T. Sugiyama and K. Abe, Edge feature analysis by a vectorized feature extractor and in multiple edges, ICPR B, 280-284.
827. R. Watzel, K. Braun, A. Hess, W. Zuschratter, and H. Scheich, Restoration of dendrites and spines with the objective of topologically correct segmentation, ICPR B, 472-476.
828. N. Tsuruta, R. Taniguchi, and M. Amamiya, Image reconstruction using high-level constraints, ICPR D, 401-405.
829. E. Littmann, H. Neumann, and L. Pessoa, Nonlinear interaction of on and off data streams for the detection of visual structure, ICPR D, 540-544.
830. M.S. Pereira and E.S. Manolakos, Hierarchical neural network for multiresolution image analysis, ICIP A, 261-264.
831. V. Caselles, B. Coll, and J.M. Morel, Junction detection and filtering: A morphological approach, ICIP A, 493-496.
832. L. Alparone, S. Baronti, and A. Casini, A novel approach to the suppression of false contours originated from Laplacian-of-Gaussian zero-crossings, ICIP A, 825-828.
833. D. Demigny and M. Karabernou, An effective resolution definition or how to choose an edge detector, its scale parameter and the threshold?, ICIP A, 829-832.
834. K. Belkacem-Boussaid, A. Beghdadi, and H. Dupoisot, Edge detection using Holladay's principle, ICIP A, 833-836.
835. G. Lim and M.D. Alder, A nonparametric approach for detecting lines and curves, ICIP A, 837-840.
836. M. Accame, F.G.B. De Natale, and D.D. Giusto, ANN-driven edge point selection criterion, ICIP A, 849-852.
837. R.A. Vander Kam and P.W. Wong, Edge enhancement in clustered dot dithering, ICIP A, 857-860.
838. M. Petrou, P. Papachristou, and J. Kittler, Error propagation analysis for edge postprocessing, ICIP A, 861-864.
839. S.T. Acton, Edge enhancement of infrared imagery by way of the anisotropic diffusion pyramid, ICIP A, 865-868.
840. L. Ibañez, C. Hamitouche, and C. Roux, Moment-based operator for sub-voxel surface extraction in medical imaging, ICIP B, 277-280.

- 841. T. Spirig, P. Seitz, O. Vietze, F. Heitger, and O. Kübler, Real-time 2D feature detection with low-level image processing algorithms on smart CCD/CMOS image sensors, *ICIP B*, 1043–1046.
- 842. K. Nordberg and G. Granlund, Equivariance and invariance—An approach based on Lie groups, *ICIP C*, 181–184.
- 843. E.P. Simoncelli, A rotation-invariant pattern signature, *ICIP C*, 185–188.
- 844. A.J. Pinho and L.B. Almeida, On the partition of binary edge maps as a first step for quantitative quality evaluation, *ICIP C*, 343–346.
- 845. A.J. Pinho and L.B. Almeida, Figures of merit for quality assessment of binary edge maps, *ICIP C*, 591–594.
- 846. P. Sukanya, R. Takamatsu, and M. Sato, A new operator for image structure analysis, *ICIP C*, 615–618.
- 847. O. Hellwich and H. Mayer, Extracting line features from synthetic aperture radar (SAR) scenes using a Markov random field model, *ICIP C*, 883–886.

E.2. Segmentation

- 848. M. Nitzberg, D. Mumford, and T. Shiota, *Filtering, Segmentation and Depth*, Springer, Berlin, 1993 (LNCS 662).
- 849. M. Worring, A.W.M. Smeulders, L.H. Staib, and J.S. Duncan, Parameterized feasible boundaries in gradient vector fields, *CVIU* **63**, 1996, 135–144.
- 850. A. Ylä-Jääski and F. Ade, Grouping symmetrical structures for object segmentation and description, *CVIU* **63**, 1996, 399–417.
- 851. P.L. Palmer, H. Dabis, and J. Kittler, A performance measure for boundary detection algorithms, *CVIU* **63**, 1996, 476–494.
- 852. V. Murino, C.S. Regazzoni, and G.L. Foresti, Grouping as a searching process for minimum-energy configurations of labelled random fields, *CVIU* **64**, 1996, 157–174.
- 853. R.L. Castaño and S. Hutchinson, A probabilistic approach to perceptual grouping, *CVIU* **64**, 1996, 399–419.
- 854. Z. Kato, M. Berthod, and J. Zerubia, A hierarchical Markov random field model and multitemperature annealing for parallel image classification, *GMIP* **58**, 1996, 18–37.
- 855. J.K. Udupa and S. Samarasekera, Fuzzy connectedness and object definition: Theory, algorithms, and applications in image segmentation, *GMIP* **58**, 1996, 246–261.
- 856. L. Hayat, M. Fleury, and A.F. Clark, Candidate functions for a parallel multi-level thresholding techniques, *GMIP* **58**, 1996, 360–381.
- 857. W. Ezquerria and R. Mullick, Knowledge-guided segmentation of 3D imagery, *GMIP* **58**, 1996, 510–523.
- 858. G. Iannizzotto, A. Puliafito, and L. Vita, A new method for extracting and representing object contours in real images, *IS* **93**, 1996, 159–185.

859. Y.M. Li and H.D. Cheng, A new peak selection criterion based on minimizing the classification error, *IS* **94**, 1996, 213-233.
860. H.D. Cheng and J.R. Chen, Automatically determine the membership function based on the maximum entropy principle, *IS* **96**, 1996, 163-182.
861. Q. Zhu, Efficient evaluations of edge connectivity and width uniformity, *IVC* **14**, 1996, 21-34.
862. Q. Zhu, M. Payne, and V. Riordan, Edge linking by a directional potential function (DPF), *IVC* **14**, 1996, 59-70.
863. M. Fleury, L. Hayat, and A.F. Clark, Parallel entropic auto-thresholding, *IVC* **14**, 1996, 247-263.
864. M. Berthod, Z. Kato, S. Yu, and J. Zerubia, Bayesian image classification, *IVC* **14**, 1996, 285-295.
865. A.J. Bulpitt and N.D. Efford, An efficient 3D deformable model with a self-optimising mesh, *IVC* **14**, 1996, 573-580.
866. H. Wiman, Array algebra polynomial fitting for image segmentation, *JMIV* **6**, 1996, 7-13.
867. L.D. Cohen, Auxiliary variables and two-step iterative algorithms in computer vision problems, *JMIV* **6**, 1996, 59-83.
868. C.E. Mathieu and I.E. Magnin, On the choice of the first level on graph pyramids, *JMIV* **6**, 1996, 85-96.
869. C. Tsai, B.S. Manjunath, and R. Jagadeesan, Automated segmentation of brain MR images, *PR* **28**, 1995, 1825-1837.
870. A.D. Brink and N.E. Pendock, Minimum cross-entropy threshold selection, *PR* **29**, 1996, 179-188.
871. G. Corneloup, J. Moysan, and I.E. Magnin, BSCAN image segmentation by thresholding using cooccurrence matrix analysis, *PR* **29**, 1996, 281-296.
872. N.R. Pal, On minimum cross-entropy thresholding, *PR* **29**, 1996, 575-580.
873. A. Pikaz and A. Averbuch, Digital image thresholding based on topological stable-state, *PR* **29**, 1996, 829-843.
874. A.M. Bensaid, L.O. Hall, J.C. Bezdek, and L.P. Clarke, Partially supervised clustering for image segmentation, *PR* **29**, 1996, 859-871.
875. D.N. Chun and H.S. Yang, Robust image segmentation using genetic algorithm with a fuzzy measure, *PR* **29**, 1996, 1195-1211.
876. Y.J. Zhang, A survey on evaluation methods for image segmentation, *PR* **29**, 1996, 1335-1346.
877. C.K. Lee and S.P. Wong, A mathematical morphological approach for segmenting heavily noise-corrupted images, *PR* **29**, 1996, 1347-1358.
878. Y. Wang and P. Bhattacharya, On parameter-dependent connected components of gray images, *PR* **29**, 1996, 1359-1368.
879. C.K. Leung and F.K. Lam, Performance analysis for a class of iterative image thresholding algorithms, *PR* **29**, 1996, 1523-1530.

880. H. Yan, Unified formulation of a class of image thresholding techniques, *PR* **29**, 1996, 2025–2032.
881. A.D. Brink, Using spatial information as an aid to maximum entropy image threshold selection, *PRL* **17**, 1996, 29–36.
882. K. Tsuda, M. Minoh, and K. Ikeda, Extracting straight lines by sequential fuzzy clustering, *PRL* **17**, 1996, 643–649.
883. H. Eviatar and R.L. Somorjai, A fast, simple active contour algorithm for biomedical images, *PRL* **17**, 1996, 969–974.
884. M. Herbin, N. Bonnet, and P. Vautrot, A clustering method based on the estimation of the probability density function and on the skeleton by influence zones. Application to image processing, *PRL* **17**, 1996, 1141–1150.
885. R. Sivaramakrishna, Separation of image parts using 2-D parallel form recursive filters, *T-IP* **5**, 1996, 175–178.
886. S.G. Dellepiane, F. Fontana, and G.L. Vernazza, Nonlinear image labeling for multivalued segmentation, *T-IP* **5**, 1996, 429–446.
887. R. Porter and N. Canagarajah, A robust automatic clustering scheme for image segmentation using wavelets, *T-IP* **5**, 1996, 662–665.
888. J.D. Helterbrand, One-pixel-wide closed boundary identification, *T-IP* **5**, 1996, 780–783.
889. S.R. Kadaba, S.B. Gelfand, and R.L. Kashyap, Bayesian decision feedback for segmentation of binary images, *T-IP* **5**, 1996, 1163–1178.
890. A.J. Abrantes and J.S. Marques, A class of constrained clustering algorithms for object boundary extraction, *T-IP* **5**, 1996, 1507–1521.
891. M. Wang, J. Evans, L. Hassebrook, and C. Knapp, A multistage, optimal active contour model, *T-IP* **5**, 1996, 1586–1591.
892. V.V. Phoha and W.J.B. Oldham, Image recovery and segmentation using competitive learning in a layered network, *T-NN* **7**, 1996, 843–856.
893. D.W. Jacobs, Robust and efficient detection of salient convex groups, *T-PAMI* **18**, 1996, 23–37.
894. I.Y. Kim and H.S. Yang, An integration scheme for image segmentation and labeling based on Markov random field model, *T-PAMI* **18**, 1996, 69–73.
895. N. Merlet and J. Zerubia, New prospects in line detection by dynamic programming, *T-PAMI* **18**, 1996, 426–431.
896. S.C. Zhu and A. Yuille, Region competition: Unifying snakes, region growing, and Bayes/MDL for multiband image segmentation, *T-PAMI* **18**, 1996, 884–900.
897. W.S. Ng and C.K. Lee, Comment on using the uniformity measure for the performance measure in image segmentation, *T-PAMI* **18**, 1996, 933–934.
898. L. Najman and M. Schmitt, Geodesic saliency of watershed contours and hierarchical segmentation, *T-PAMI* **18**, 1996, 1163–1173.
899. N. Ahuja, A transform for multiscale image segmentation by integrated edge and region detection, *T-PAMI* **18**, 1996, 1211–1235.

900. (T. Zhang), (J. Peng), and (Z. Li), An adaptive image segmentation method with visual nonlinearity characteristics, *T-SMC* **B26**, 1996, 619-627.
901. T.A. Ferryman and B. Bhanu, A Bayesian approach for the segmentation of SAR images using dynamically selected neighborhoods, *IUW*, 891-895.
902. C. Wang, V.K. Prasanna, and Y. Chung, Parallel implementations of perceptual grouping tasks on distributed memory machines, *IUW*, 905-911.
903. P. Bajcsy and N. Ahuja, Segmentation of multidimensional images, *IUW*, 937-942.
904. P. Fua and C. Brechbühler, Consistent site modeling: Imposing hard constraints on deformable models, *IUW*, 1077-1093.
905. J. Peng and B. Bhanu, Delayed reinforcement learning for closed-loop object recognition, *IUW*, 1429-1435.
906. R. Michalski, Q. Zhang, M.A. Maloof, and E. Bloedorn, The MIST methodology and its application to natural scene interpretation, *IUW*, 1473-1479.
907. V. Caselles, R. Kimmel, G. Sapiro, and C. Sbert, Three dimensional object modeling via minimal surfaces, *ECCV A*, 97-106.
908. J.O. Lachaud and A. Montanvert, Volumic segmentation using hierarchical representation and triangulated surface, *ECCV A*, 137-146.
909. S. Casadei and S. Mitter, Hierarchical curve reconstruction. Part I: Bifurcation analysis and recovery of smooth curves, *ECCV A*, 199-208.
910. A.M. Lopez and J. Serrat, Tracing crease curves by solving a system of differential equations, *ECCV A*, 241-250.
911. A. Amir and M. Lindenbaum, Quantitative analysis of grouping processes, *ECCV A*, 371-384.
912. J.H. Elder and S.W. Zucker, Computing contour closure, *ECCV A*, 399-412.
913. D. Geiger and K. Kumaran, Visual organization of illusory surfaces, *ECCV A*, 413-424.
914. C. Steger, Extracting curvilinear structures: A differential geometric approach, *ECCV A*, 630-641.
915. K.P. Ngoi and J. Jia, A robust active contour model for natural scene contour extraction with automatic thresholding, *ECCV B*, 335-346.
916. P. Fua and C. Brechbühler, Imposing hard constraints on soft snakes, *ECCV B*, 495-506.
917. M. Donahue, D. Geiger, R. Hummel, and T.L. Liu, Sparse representations for image decomposition with occlusions, *CVPR*, 7-12.
918. T.D. Alter and R. Basri, Extracting salient curves from images: An analysis of the saliency network, *CVPR*, 13-20.
919. K.L. Vincken, W.J. Niessen, and M.A. Viergever, Blurring strategies for image segmentation using a multiscale linking model, *CVPR*, 21-26.
920. D. Geiger, K. Kumaran, and L. Parida, Visual organization for figure/ground separation, *CVPR*, 155-160.

921. P.J. Olver, G. Sapiro, and A. Tannenbaum, Affine invariant detection: Edges, active contours, and segments, CVPR, 520–525.
922. J. Peng and B. Bhanu, Closed-loop object recognition using reinforcement learning, CVPR, 538–543.
923. L.D. Cohen and R. Kimmel, Global minimum for active contour models: A minimum path approach, CVPR, 666–673.
924. C. Davatzikos and J.L. Prince, Convexity analysis of active contour problems, CVPR, 674–679.
925. G. Sapiro, Vector-valued active contours, CVPR, 680–685.
926. J. August, K. Siddiqi, and S.W. Zucker, Fragment grouping via the principle of perceptual occlusion, ICPR A, 3–8.
927. R. Lin, W.C. Lin, and C.T. Chen, Adaptive finite-element meshes for progressive contour models, ICPR A, 125–129.
928. N. Armande, P. Montesinos, and O. Monga, A 3D thin nets extraction method for medical imaging, ICPR A, 642–646.
929. P. Montesinos and L. Alquier, Perceptual organization of thin networks with active contour functions applied to medical and aerial images, ICPR A, 647–651.
930. R. Chung and C.K. Ho, Using 2D active contour models for 3D reconstruction from serial sections, ICPR A, 849–853.
931. T. Jiang and S.D. Ma, Geometric primitive extraction using tabu search, ICPR B, 266–269.
932. T. Courtney and N. Ahuja, Segmentation of volume images using a multiscale transform, ICPR B, 432–436.
933. I. Koch and G. Marshall, Bootstrap coverage plots for image segmentation, ICPR B, 447–451.
934. A. Deruyver and Y. Hodé, Automatic multi-thresholdable image segmentation by using separating bipoints, ICPR B, 457–461.
935. W.G. Kropatsch and S. Ben Yacoub, A revision of pyramid segmentation, ICPR B, 477–481.
936. S. Ido, S. Arai, R. Takamatsu, and M. Sato, Stimulus-driven segmentation by Gaussian functions, ICPR B, 487–491.
937. I.J. Cox, S.B. Rao, and Y. Zhong, “Ratio regions”: A technique for image segmentation, ICPR B, 557–564.
938. M. Mari and S. Dellepiane, A segmentation method based on fuzzy topology and clustering, ICPR B, 565–569.
939. P.C. Smits and S. Dellepiane, Information fusion in a Markov random field-based image segmentation approach using adaptive neighbourhoods, ICPR B, 570–575.
940. E.J. Pauwels, P. Fiddelaers, and L.J. Van Gool, Autonomous grouping of contour-segments using an adaptive region-growing algorithm, ICPR B, 586–590.
941. J.M. Laferté, F. Heitz, and P. Pérez, A multiresolution EM algorithm for unsupervised image classification, ICPR B, 849–853.

942. P.R. Cooper, S. Hyun, and P. Yuen, A Markov random field model of subjective contour perception, ICPR D, 100-104.
943. T. Szirnyi and L. Czuni, Picture segmentation with introducing an anisotropic preliminary step to an MRF model with cellular neural networks, ICPR D, 366-370.
944. Y. Rui, A.C. She, and T.S. Huang, Automated region segmentation using attraction-based grouping in spatial-color-texture space, ICIP A, 53-56.
945. P. Bertolino and A. Montanvert, Multiresolution segmentation using the irregular pyramid, ICIP A, 257-260.
946. O. Alata, P. Baylou, and M. Najim, Multiple resolution image segmentation using four QP supports of 2D autoregressive model, ICIP A, 277-280.
947. T. Gilmont, X. Verians, J.D. Legat, and C. Veraart, Resolution reduction by growth of zones for visual prosthesis, ICIP A, 299-302.
948. L.D. Cohen and R. Kimmel, Fast marching the global minimum of active contours, ICIP A, 473-476.
949. F. Moscheni and S. Bhattacharjee, Robust region merging for spatio-temporal segmentation, ICIP A, 501-504.
950. G. Hewer, C. Kenney, and B.S. Manjunath, Image segmentation via functionals based on boundary functions, ICIP A, 813-816.
951. G. Sapiro, Vector (self) snakes: A geometric framework for color, texture and multiscale image segmentation, ICIP A, 817-820.
952. M.A.T. Figueiredo and J.M.N. Leitao, Unsupervised contour estimation, ICIP A, 821-824.
953. G. Iannizzotto and L. Vita, A fast, accurate method to segment and retrieve object contours in real images, ICIP A, 841-843.
954. J. Maeda, V.V. Anh, T. Ishizaka, and Y. Suzuki, Integration of local fractal dimension and boundary edge in segmenting natural images, ICIP A, 845-848.
955. K.S. Kumar and U.B. Desai, Joint segmentation and image interpretation, ICIP A, 853-856.
956. A.N. Moga and M. Gabbouj, A parallel marker based watershed transformation, ICIP B, 137-140.
957. P. Bonnin, B. Hoeltzener-Douarin, and E. Pissaloux, A data parallel implementation of an edge point chaining: Towards a new principle of edge linking, ICIP B, 141-144.
958. H. Atmaca, M. Bulut, and D. Demir, Histogram based fuzzy Kohonen clustering network for image segmentation, ICIP B, 951-954.
959. S.S. Gleason and K.W. Tobin, Directional dilation for the connection of piece-wise objects: A semiconductor manufacturing case study, ICIP C, 9-12.
960. D. Hagyard, M. Razaz, and P. Atkin, Analysis of watershed algorithms for greyscale images, ICIP C, 41-44.
961. J.C. Everat and G. Bertrand, New topological operators for segmentation, ICIP C, 45-48.

962. X. Marichal, T. Delmot, C. De Vleeschouwer, V. Warscotte, and B. Macq, Automatic detection of interest areas of an image or of a sequence of images, *ICIP C*, 371-374.
963. N. Vasconcelos and A. Lippman, Frame-free video, *ICIP C*, 375-378.
964. R. Fjortoft, P. Marthon, A. Lopes, F. Sery, D. Ducrot-Gambart, and E. Cubero-Castan, Region-based enhancement and analysis of SAR images, *ICIP C*, 879-882.
965. A. Andreadis, G. Benelli, and A. Garzelli, Edge-preserving classification of multifrequency multipolarization SAR images, *ICIP C*, 899-902.
966. C.H. Fosgate, H. Krim, A.S. Willsky, and W.C. Karl, Multiscale segmentation and anomaly enhancement of SAR imagery, *ICIP C*, 903-906.
967. B. Charroux, S. Philipp, and J. Cocquerez, Image analysis: Segmentation operator cooperation led by the interpretation, *ICIP C*, 939-942.
968. M.E. Martínez-Perez and M. Garza-Jinich, Unsupervised segmentation based on robust estimation and cooccurrence data, *ICIP C*, 943-946.
969. A.A. Dingle and M.W. Morrison, Unsupervised image segmentation based on the comparison of local and regional histograms, *ICIP C*, 959-962.
970. C.K. Leung and F.K. Lam, Maximum segmented-scene spatial entropy thresholding, *ICIP C*, 963-966.
971. V. Kumar and E.S. Manolakos, Unsupervised model-based object recognition by parameter estimation of hierarchical mixtures, *ICIP C*, 967-970.
972. C. Collet, P. Thourel, P. Pérez, and P. Bouthemy, Hierarchical MRF modeling for sonar picture segmentation, *ICIP C*, 979-982.
973. H. Choi and C. Chung, An image model for quantitative image analysis, *ICIP C*, 983-986.
974. N. Giordana and W. Pieczynski, Unsupervised segmentation of multisensor images using generalized hidden Markov chains, *ICIP C*, 987-990.

E.3. Image and scene analysis

975. H. Yamamoto, Y. Yeshurun, and M.D. Levine, An active foveated vision system: Attentional mechanisms and scan path convergence measures, *CVIU* **63**, 1996, 50-65.
976. K. Pahlavan, T. Uhlin, and J.O. Eklundh, Dynamic fixation and active perception, *IJCV* **17**, 1996, 113-135.
977. K. Brunnstrom, J.O. Eklundh, and T. Uhlin, Active fixation for scene exploration, *IJCV* **17**, 1996, 137-162.
978. E. Ardzzone, A. Chella, and S. Gaglio, Hybrid architecture for shape reconstruction and object recognition, *IJIS* **11**, 1996, 1115-1133.
979. M. Nagao, Shape recognition by human-like trial and error random processes, *IJPRAI* **10**, 1996, 473-490.

980. B.A. Draper, A.R. Hanson, and E.M. Riseman, Knowledge-directed vision: Control, learning, and integration, *P-IEEE* **84**, 1996, 1623–1637.
981. F. Roli, S.B. Serpico, and G. Vernazza, A hybrid system for two-dimensional image recognition, *P-IEEE* **84**, 1996, 1657–1681.
982. I.Y. Kim and H.S. Yang, An integrated approach for scene understanding based on Markov random field model, *PR* **28**, 1995, 1887–1897.
983. V.P. Kumar and U.B. Desai, Image interpretation using Bayesian networks, *T-PAMI* **18**, 1996, 74–77.
984. V. Murino, G.L. Foresti, and C.S. Regazzoni, A distributed probabilistic system for adaptive regulation of image processing parameters, *T-SMC* **B26**, 1996, 1–20.
985. P.A. Laplante and D. Sinha, Extensions to the fuzzy pointed set with applications to image processing, *T-SMC* **B26**, 1996, 21–28.
986. E. Giunchiglia, A. Armando, P. Traverso, and A. Cimatti, Visual representation of natural language scene descriptions, *T-SMC* **B26**, 1996, 575–589.
987. M. Jägersand and R. Nelson, On-line estimation of visual-motor models using active vision, *IUW*, 677–682.
988. M.A. Fischler, Robot vision: Sketching natural scenes, *IUW*, 879–890.
989. C. Fermüller and Y. Aloimonos, Ordinal representations of visual space, *IUW*, 897–903.
990. S. Abrams, P.K. Allen, and K.A. Tarabanis, Merging constraints to plan camera positions and parameters, *IUW*, 1313–1319.
991. D.J. Cook, P. Gmytrasiewicz, and L.B. Holder, Decision-theoretic cooperative sensor planning, *IUW*, 1321–1332.
992. U.M.C. von Seelen and R. Bajcsy, Model-based gaze control, *IUW*, 1361–1364.
993. T. Arbel and F.P. Ferrie, Informative views and sequential recognition, *ECCV A*, 469–481.
994. V. Hlavac, A. Leonardis, and T. Werner, Automatic selection of reference views for image-based scene representations, *ECCV A*, 526–535.
995. C. Colombo and J.L. Crowley, Uncalibrated visual tasks via linear interaction, *ECCV B*, 583–592.
996. S. Herbin, Recognizing 3D objects by generating random actions, *CVPR*, 35–40.
997. E. Marchand and F. Chaumette, Controlled camera motions for scene reconstruction and exploration, *CVPR*, 169–176.
998. H.P. Rotstein and E. Rivlin, Optimal servoing for active foveated vision, *CVPR*, 177–182.
999. F.G. Callari and F.P. Ferrie, Autonomous recognition: Driven by ambiguity, *CVPR*, 701–707.
1000. C.F. Westin, C.J. Westelius, H. Knutsson, and G. Granlund, Attention control for robot vision, *CVPR*, 726–733.
1001. V. Fischer and H. Niemann, A parallel any-time control algorithm for image understanding, *ICPR A*, 141–145.

1002. N. Bianchi, P. Bottoni, C. Spinu, C. Garbay, and P. Mussio, A dynamical organisation for situated image interpretation, ICPR A, 228-232.
1003. J.Y. Hervé, Hand/eye coordination: Role of the active observer, ICPR A, 292-296.
1004. J. Lemaire, Use of a priori descriptions in a high-level language and management of the uncertainty in a scene recognition system, ICPR A, 560-564.
1005. T. Wada and T. Matsuyama, Appearance sphere: Background model for pan-tilt-zoom camera, ICPR A, 718-722.
1006. F.G. Callari and F.P. Ferrie, Active recognition: Using uncertainty to reduce ambiguity, ICPR A, 925-929.
1007. J. Maver, Necessary views for a coarse representation of a scene, ICPR A, 936-940.
1008. R. Pito, A sensor-based solution to the "next best view" problem, ICPR A, 941-945.
1009. J.A. Fayman, E. Rivlin, and D. Mossé, Real-time active vision with fault tolerance, ICPR C, 279-283.
1010. B. Takacs and H. Wechsler, Attention and pattern detection using sensory and reactive control mechanisms, ICPR D, 19-23.
1011. U. Büker and G. Hartmann, Knowledge-based view control of a neural 3-D object recognition system, ICPR D, 24-29.
1012. W.S. Hwang, S.J. Howden, and J. Weng, Performing temporal action with a hand-eye system using the SHOSLIF approach, ICPR D, 35-39.
1013. H. Yamakawa, Matchability-oriented feature selection for recognition structure learning, ICPR D, 123-127.
1014. W.A. Fellenz and G. Hartmann, Preattentive grouping and attentive selection for early visual computation, ICPR D, 340-345.
1015. F.H. Hamker and H.M. Gross, Task-relevant relaxation network for visuo-motor(y) systems, ICPR D, 406-410.
1016. A. Maki, P. Nordlund, and J.O. Eklundh, A computational model of depth-based attention, ICPR D, 734-739.
1017. J. Yang, L. Wu, and A. Waibel, Focus of attention: Towards low bitrate video tele-conferencing, ICIP B, 97-100.
1018. C. Schröder and B. Neumann, On the logics of image interpretation: Model-construction in a formal knowledge-representation framework, ICIP B, 785-788.
1019. H.I. Christensen, J. Matas, and J. Kittler, Using grammars for scene interpretation, ICIP B, 793-796.
1020. G. Socher, G. Sagerer, F. Kummert, and T. Fuhr, Talking about 3D scenes: Integration of image and speech understanding in a hybrid distributed system, ICIP B, 809-812.
1021. J. Lemaire and O. Le Moigne, Development of a scene recognition system with imprecise descriptions, ICIP B, 979-982.

F. 2D shape and pattern

F.1. Representation, decomposition, etc.

- 1022. C.G. Small, *The Statistical Theory of Shape*, Springer, Berlin, 1996.
- 1023. M.B. Dillencourt and H. Samet, Using topological sweep to extract the boundaries of regions in maps represented by region quadrees, *Algorithmica* **15**, 1996, 82–102.
- 1024. G.W. Tokarky, Polygonal rooms not illuminable from every point, *AMM* **102**, 1995, 867–879.
- 1025. S. Carlsson, Projectively invariant decomposition and recognition of planar shapes, *IJCV* **17**, 1996, 193–209.
- 1026. M.A. Kumar, B.N. Chatterji, J. Mukherjee, and P.P. Das, Representation of 2D and 3D binary images using medial circles and spheres, *IJPRAI* **10**, 1996, 365–387.
- 1027. S. Levialdi and L. Cinque, Shape description by a syntactic pyramidal approach, *IJPRAI* **10**, 1996, 573–585.
- 1028. Y. Manolopoulos, E. Nardelli, G. Proietti, and M. Vassilakopoulos, On the creation of quadrees by using a branching process, *IVC* **14**, 1996, 159–164.
- 1029. A. Verri and C. Uras, Metric-topological approach to shape representation and recognition, *IVC* **14**, 1996, 189–207.
- 1030. N. Mayya and V.T. Rajan, Voronoi diagrams of polygons: A framework for shape representation, *JMIV* **6**, 1996, 355–378.
- 1031. D.J. Nettleton and R. Garigliano, Reductions in the search space for deriving a fractal set of an arbitrary shape, *JMIV* **6**, 1996, 379–392.
- 1032. P.C. Chin, W.C. Tsai, and S.Y. Hwang, A graded approach to shape representation, *JVCIR* **7**, 1996, 105–115.
- 1033. J. Xu, Morphological decomposition of 2-D binary shapes into conditionally maximal convex polygons, *PR* **29**, 1996, 1075–1104.
- 1034. C.Y. Huang and K.L. Chung, Faster neighbor finding on images represented by bincode, *PR* **29**, 1996, 1507–1518.
- 1035. S.S. Lee, S.J. Horng, H.R. Tsai, and S.S. Tsai, Building a quadtree and its applications on a reconfigurable mesh, *PR* **29**, 1996, 1571–1579.
- 1036. K. Abe, C. Arcelli, T. Hisajima, and T. Ibaraki, Parts of planar shapes, *PR* **29**, 1996, 1703–1711.
- 1037. C.C. Chang and D.C. Lin, A spatial data representation: An adaptive 2D-H string, *PRL* **17**, 1996, 175–185.
- 1038. J. Xu, Morphological decomposition of 2-D binary shapes into simpler shape parts, *PRL* **17**, 1996, 759–769.
- 1039. D. Sarkar, Boolean function-based approach for encoding of binary images, *PRL* **17**, 1996, 839–848.
- 1040. K.L. Chung and C.Y. Huang, Finding neighbors on bincode-based images in $O(n \log \log n)$ time, *PRL* **17**, 1996, 1117–1124.

- 1041. J.M. Reinhardt and W.E. Higgins, Efficient morphological shape representation, *T-IP* **5**, 1996, 89–101.
- 1042. A. Åström, R. Forchheimer, and J.E. Eklund, Global feature extraction operations for near-sensor image processing, *T-IP* **5**, 1996, 102–110.
- 1043. S. Di Zenzo, L. Cinque, and S. Levialdi, Run-based algorithms for binary image analysis and processing, *T-PAMI* **18**, 1996, 83–89.
- 1044. J.M. Reinhardt and W.E. Higgins, Comparison between the morphological skeleton and morphological shape decomposition, *T-PAMI* **18**, 1996, 951–957.
- 1045. R.J. Lang, A computational algorithm for origami design, *SCG*, 98–105.
- 1046. H. Murase and S.K. Nayar, Learning by a generation approach to appearance-based object recognition, *ICPR A*, 24–29.
- 1047. R.M. Cesar Junior and L. da Fontoura Costa, Shape characterization in natural scales by using the multiscale bending energy, *ICPR A*, 735–739.
- 1048. S.V. Ablameyko, M. Frucci, and A. Marcelli, Shape decomposition by (d_1, d_2) -weighted skeleton and directional information, *ICPR B*, 275–279.
- 1049. C. De Stefano, P. Foggia, F. Tortorella, and M. Vento, A distance measure for structural descriptions using circle arcs as primitives, *ICPR B*, 290–294.
- 1050. Y.B. Karasik, On a planar representation of 3D figures commutative with respect to set and morphological operations, *ICPR B*, 615–619.
- 1051. A. Lanitis, P.D. Sozou, C.J. Taylor, T.F. Cootes, and E.C. Di Mauro, A general non-linear method for modelling shape and locating image objects, *ICPR D*, 266–270.

F.2. Properties; invariants

- 1052. G. Borgefors and G. Sanniti di Baja, Analyzing nonconvex 2D and 3D patterns, *CVIU* **63**, 1996, 145–157.
- 1053. Y. Cheng, Analysis of affine invariants as approximate perspective invariants, *CVIU* **63**, 1996, 197–207.
- 1054. K. Kishimoto, Characterizing digital convexity and straightness in terms of “length” and “total absolute curvature”, *CVIU* **63**, 1996, 326–333.
- 1055. D.M. Mount, R. Silverman, and A.Y. Wu, On the area of overlap of translated polygons, *CVIU* **64**, 1996, 53–61.
- 1056. J.J. Robinson, Line symmetry of convex digital regions, *CVIU* **64**, 1996, 263–285.
- 1057. W.J. Bultman and W. Maass, Fast identification of geometric objects with membership queries, *Information and Computation* **118**, 1995, 48–64.
- 1058. S. Carlsson, R. Mohr, T. Moons, L. Morin, C. Rothwell, M. VanDiest, L. Van Gool, F. Veillon, and A. Zisserman, Semi-local projective invariants for the recognition of smooth plane curves, *IJCV* **19**, 1996, 211–236.
- 1059. D.P. Mukherjee and M. Brady, Symmetry analysis through wave propagation, *IJPRAI* **10**, 1996, 291–306.

1060. K. Liu, Y.S. Huang, and C.Y. Suen, Optimal matrix transform for the extraction of algebraic features from images, *IJPRAI* **10**, 1996, 349–363.
1061. Y.B. Jia and M. Erdmann, Geometric sensing of known planar shapes, *IJRR* **15**, 1996, 365–392.
1062. Y. Metivier and N. Saheb, Medians and centres of polyominoes, *IPL* **57**, 1996, 175–181.
1063. T. Moons, L. Van Gool, E. Pauwels, and A. Oosterlinck, Viewpoint invariant characteristics of articulated objects, *JMIV* **6**, 1996, 37–57.
1064. D. Cyganski and R.F. Vaz, A linear signal decomposition approach to affine invariant contour identification, *PR* **28**, 1995, 1845–1853.
1065. J. Wood, Invariant pattern recognition: A review, *PR* **29**, 1996, 1–17.
1066. M. Kreutz, B. Völpel, and H. Janssen, Scale-invariant image recognition based on higher-order autocorrelation features, *PR* **29**, 1996, 19–26.
1067. T. Suk and J. Flusser, Vertex-based features for recognition of projectively deformed polygons, *PR* **29**, 1996, 361–367.
1068. J.L. Diaz-de-Leon S. and J.H. Sussa-Azuela, On the computation of the Euler number of a binary object, *PR* **29**, 1996, 471–476.
1069. J.C. Lin, The family of universal axes, *PR* **29**, 1996, 477–485.
1070. J.C. Lin, A simplified fold number detector for shapes with monotonic radii, *PR* **29**, 1996, 997–1005.
1071. L. Yang and F. Albregtsen, Fast and exact computation of Cartesian geometric moments using discrete Green's theorem, *PR* **29**, 1996, 1061–1073.
1072. J. Bala and H. Wechsler, Shape analysis using hybrid learning, *PR* **29**, 1996, 1323–1333.
1073. K.L. Chung, Computing [a] horizontal/vertical convex shape's moments on reconfigurable meshes, *PR* **29**, 1996, 1713–1717.
1074. J.M. Iñesta, M. Buendia, and M.A. Sasti, Local symmetries of digital contours from their chain codes, *PR* **29**, 1996, 1737–1749.
1075. S. Banerjee and D. Dutta Majumdar, A 2D shape metric and its implementation in biomedical imaging, *PRL* **17**, 1996, 141–147.
1076. S.J. Maybank, Stochastic properties of the cross ratio, *PRL* **17**, 1996, 211–217.
1077. H. Bandemer, Specifying fuzzy data from gray-tone pictures for pattern recognition, *PRL* **17**, 1996, 585–592.
1078. R. Marabini and J.M. Carazo, On a new computationally fast image invariant based on bispectral projections, *PRL* **17**, 1996, 959–967.
1079. R.D. Brandt and F. Lin, Representations that uniquely characterize images modulo translation, rotation, and scaling, *PRL* **17**, 1996, 1001–1015.
1080. J. Flusser, T. Suk, and S. Saic, Recognition of blurred images by the method of moments, *T-IP* **5**, 1996, 533–538.
1081. S.X. Liao and M. Pawlak, On image analysis by moments, *T-PAMI* **18**, 1996, 254–266.

1082. I. Rothe, H. Süsse, and K. Voss, The method of normalization to determine invariants, *T-PAMI* 18, 1996, 366–376.
1083. D. Bhagavathi, H. Gurla, S. Olariu, J.L. Schwing, and J. Zhang, Square meshes are not optimal for convex hull computation, *IEEE Trans. Parallel and Distributed Systems* 7, 1996, 545–554.
1084. E. Barrett, G. Gheen, and P. Payton, Lockheed Martin report: Progress in image invariants research—1995, IUW, 129–157.
1085. R. Schiller, Normalization by optimization, *ECCV A*, 620–629.
1086. L. Van Gool, T. Moons, and D. Ungureanu, Affine/photometric invariants for planar intensity patterns, *ECCV A*, 642–651.
1087. L. Van Gool, T. Moons, and M. Proesmans, Mirror and point symmetry under perspective skewing, *CVPR*, 285–292.
1088. A. Rudsthein and M. Lindenbaum, Quantifying the reliability of feature-based object recognition, *ICPR A*, 35–39.
1089. R. Kimmel, Affine differential signatures for gray level images of planar shapes, *ICPR A*, 45–49.
1090. J. Lasenby, E. Bayro-Corrochano, A.N. Lasenby, and G. Sommer, A new methodology for computing invariants in computer vision, *ICPR A*, 393–397.
1091. D.R. Heisterkamp and P. Bhattacharya, Invariants of families of coplanar conics and their applications to object recognition, *ICPR A*, 677–681.
1092. A.M. Bruckstein, E. Rivlin, and I. Weiss, Recognizing objects using scale space local invariants, *ICPR A*, 760–764.
1093. Y. Gofman and N. Kiryati, Detecting symmetry in grey level images: The global optimization approach, *ICPR A*, 889–894.
1094. J. Sato and R. Cipolla, Affine integral invariants and matching of curves, *ICPR A*, 915–919.
1095. Y. Horikawa, Pattern recognition with invariance to similarity transformations based on the third-order correlation, *ICPR B*, 200–204.
1096. A.V. Tuzikov, G.L. Margolin, and H.J.A.M. Heijmans, Efficient computation of a reflection symmetry measure for convex polygons based on Minkowski addition, *ICPR B*, 236–240.
1097. J. Shen and D. Shen, Orthogonal Legendre moments and their calculation, *ICPR B*, 241–245.
1098. K. Arimura and N. Hagita, Feature space design for image recognition with image screening, *ICPR B*, 261–265.
1099. V.V. Kindratenko and P.J.M. Van Espen, Classification of irregularly shaped micro-objects using complex Fourier descriptors, *ICPR B*, 285–289.
1100. J. Martínez, E. Staffetti, and F. Thomas, A recursive updating rule for efficient computation of linear moments in sliding-window applications, *ICPR B*, 295–299.
1101. H. Kobatake and M. Murakami, Adaptive filter to detect rounded convex regions: Iris filter, *ICPR B*, 340–344.

- 1102. A.T. Popov, Fuzzy morphology and fuzzy convexity measures, *ICPR B*, 611–614.
- 1103. G. Lambert and J. Noll, Discrimination properties of invariants using the line moments of vectorized contours, *ICPR B*, 735–739.
- 1104. I.T. Young, Sampling density for image analysis, *ICPR B*, 840–843.
- 1105. J. Lasenby, E. Bayro-Corrochano, A. Lasenby, and G. Sommer, A new framework for the formation of invariants and multiple-view constraints in computer vision, *ICIP B*, 313–316.
- 1106. G.E. Vanderkooy and G.F. McLean, Projective invariants and the correspondence problem, *ICIP B*, 317–320.
- 1107. J. Bigün, Coordinate transformations, symmetries and GHT, *ICIP C*, 197–201.
- 1108. R. Lenz and K. Homma, Rotational symmetry: The Lie group $SO(3)$ and its representations, *ICIP C*, 203–206.
- 1109. R. Wilson, Symmetry and locality: Uncertainty revisited, *ICIP C*, 207–210.
- 1110. H. Sossa and A. Palomino, Model-based recognition of planar objects using geometric invariants, *ICIP C*, 603–606.
- 1111. E. Labunets, V.G. Labunets, M.V. Assonov, and R. Lenz, Fast spectral algorithms for invariant pattern recognition and image matching based on modular invariants, *ICIP C*, 607–610.
- 1112. A. Ghali and M. Daemi, Information-based shape description with scale, translation and rotation invariance, *ICIP C*, 611–614.
- 1113. F. Zhou and P. Kornerup, Computing moments by prefix sums, *ICIP C*, 619–622.

F.3. Contours and curves

- 1114. F. Ulgen, A. Flavell, and N. Akamatsu, On-line shape recognition with incremental training using binary synaptic weights algorithm, *ApI* **6**, 1996, 225–240.
- 1115. H. Späth, Least-squares fitting by circles, *Computing* **57**, 1996, 179–185.
- 1116. F. Pla, Recognition of partial circular shapes from segmented contours, *CVIU* **63**, 1996, 334–343.
- 1117. J. Koplowitz and J. DeLeune, Hierarchical representation of chain-encoded binary image contours, *CVIU* **63**, 1996, 344–352.
- 1118. B.B. Kimia and K. Siddiqi, Geometric heat equation and nonlinear diffusion of shapes and images, *CVIU* **64**, 1996, 305–322.
- 1119. T.J. Richardson, Planar rectifiable curves are determined by their projections, *DCG* **16**, 1996, 21–31.
- 1120. H. Nishida, A structural model of curve deformation by discontinuous transformations, *GMIP* **58**, 1996, 164–179.
- 1121. L.M. Reissell, Wavelet multiresolution representation of curves and surfaces, *GMIP* **58**, 1996, 198–217.
- 1122. L. Shao and H. Zhou, Curve fitting with Bezier cubics, *GMIP* **58**, 1996, 223–232.
- 1123. H. van de Wetering and K. van Overveld, Chain codes and their application in curve design, *GMIP* **58**, 1996, 464–470.

1124. P.L. Rosin, Assessing error of fit functions for ellipses, *GMIP* **58**, 1996, 494–502.
1125. G. Guy and G. Medioni, Inferring global perceptual contours from local features, *IJCV* **20**, 1996, 113–133.
1126. A.M. Bruckstein, G. Sapiro, and D. Shaked, Evolutions of planar polygons, *IJPRAI* **9**, 1995, 991–1014.
1127. J.M. Chen, J.A. Ventura, and C.H. Wu, Segmentation of planar curves into circular arcs and line segments, *IVC* **14**, 1996, 71–83.
1128. R. Malladi, J.A. Sethian, and B.C. Vemuri, A fast level set based algorithm for topology-independent shape modeling, *JMIV* **6**, 1996, 269–289.
1129. A.S. Aguado, M.E. Montiel, and M.S. Nixon, On using directional information for parameter space decomposition in ellipse detection, *PR* **29**, 1996, 369–381.
1130. S.C. Pei and J.H. Horng, Optimum approximation of digital planar curves using circular arcs, *PR* **29**, 1996, 383–388.
1131. R. Buse, Z.Q. Liu, and T. Caelli, Using Gabor filters to measure the physical parameters of lines, *PR* **29**, 1996, 615–625.
1132. F. Rannou and J. Gregor, Equilateral polygon approximation of closed contours, *PR* **29**, 1996, 1105–1115.
1133. R.M. Cesar Junior and L. da Fontoura Costa, Towards effective planar shape representation with multiscale digital curvature analysis based on signal processing techniques, *PR* **29**, 1996, 1559–1569.
1134. A. Pikaz and A. Averbuch, On automatic threshold selection for polygonal approximations of digital curves, *PR* **29**, 1996, 1835–1845.
1135. K. Wu and M.D. Levine, 2D shape segmentation: A new approach, *PRL* **17**, 1996, 133–140.
1136. Y. Cui, J. Weng, and H. Reynolds, Estimation of ellipse parameters using optimal minimum variance estimator, *PRL* **17**, 1996, 309–316.
1137. C. Ichoku, B. Deffontaines, and J. Chorowicz, Segmentation of digital plane curves: A dynamic focusing approach, *PRL* **17**, 1996, 741–750.
1138. P.C. Yuen and G.C. Feng, A novel method for parameter estimation of digital arc, *PRL* **17**, 1996, 929–938.
1139. J. Zunic, A representation of digital hyperbolas $y = \frac{1}{x}\alpha + \beta$, *PRL* **17**, 1996, 975–983.
1140. R.M. Cesar Junior and L. da Fontoura Costa, Piecewise linear segmentation of digital contours in $O(N \log N)$ through a technique based on effective digital curvature estimation, *RTI* **1**, 1995, 409–417.
1141. G.C.H. Chuang and C.C.J. Kuo, Wavelet description of planar curves: Theory and applications, *T-IP* **5**, 1996, 56–70.
1142. M. Flickner, J. Hafner, E.J. Rodriguez, and J.L.C. Sanz, Periodic quasi-orthogonal spline bases and applications to least-squares curve fitting of digital images, *T-IP* **5**, 1996, 71–88.
1143. C.T. Ho and L.H. Chen, A high-speed algorithm for elliptical object detection, *T-IP* **5**, 1996, 547–550.

1144. C.W.A.M. van Overveld and M.L. Viaud, Sticky splines: Definition and manipulation of spline structures, *TOG* **15**, 1996, 72-98.
1145. G. Taubin and R. Ronfard, Implicit simplicial models for adaptive curve reconstruction, *T-PAMI* **18**, 1996, 321-325.
1146. M.D. Wheeler and K. Ikeuchi, Iterative smoothed residuals: A low pass filter for smoothing with controlled shrinkage, *T-PAMI* **18**, 1996, 334-337.
1147. J. Cabrera and P. Meer, Unbiased estimation of ellipses by bootstrapping, *T-PAMI* **18**, 1996, 752-756.
1148. B. Olstad and A.H. Torp, Encoding of a priori information in active contour models, *T-PAMI* **18**, 1996, 863-872.
1149. R. Malladi and J.A. Sethian, Flows under min/max curvature flow and mean curvature: Applications in image processing, *ECCV A*, 251-262.
1150. J. Shah, A common framework for curve evolution, segmentation and anisotropic diffusion, *CVPR*, 136-142.
1151. L.R. Williams and D.W. Jacobs, Local parallel computation of stochastic completion fields, *CVPR*, 161-168.
1152. K. Siddiqi and B.B. Kimia, A shock grammar for recognition, *CVPR*, 507-513.
1153. D.M. Gavrilu, Hermite deformable contours, *ICPR A*, 130-135.
1154. A.W. Fitzgibbon, M. Pilu, and R.B. Fisher, Direct least squares fitting of ellipses, *ICPR A*, 253-257.
1155. M. Worring and A. de Win, Analysis of complex motion patterns using region-based curve analysis, *ICPR A*, 388-392.
1156. D. Buesching, Efficiently finding bitangents, *ICPR A*, 428-432.
1157. K. Voss and H. Suesse, Invariant fitting of planar objects by primitives, *ICPR A*, 508-512.
1158. A. Steiner, R. Kimmel, and A.M. Bruckstein, Planar shape enhancement and exaggeration, *ICPR A*, 523-527.
1159. N.S. Netanyahu, V. Philomin, A. Rosenfeld, and A.J. Stromberg, Robust detection of road segments in noisy aerial images, *ICPR B*, 151-155.
1160. A. Gross and L.J. Latecki, Modeling digital straight lines, *ICPR B*, 156-160.
1161. J.A.F. Leite and E.R. Hancock, Iterative spline relaxation with the EM algorithm, *ICPR B*, 161-165.
1162. E. Hussein, Y. Nakamura, and Y. Ohta, Analysis of detailed patterns of contour shapes using wavelet local extrema, *ICPR B*, 335-339.
1163. S. Fejes and A. Rosenfeld, Migration processes, *ICPR B*, 345-349.
1164. D. Yu and H. Yan, An efficient algorithm for smoothing binary image contours, *ICPR B*, 403-407.
1165. M. Amara, D. de Brucq, P. Courtellemont, P. Wallon, C. Mesmin, and Y. Lecourtier, A recursive estimation of parameters of straight lines and circles: Application to the segmentation of (the) Rey's complex figure, *ICPR B*, 467-471.

- 1166. S.A. Jackson and N. Ahuja, Elliptical Gaussian filters, *ICPR B*, 775–779.
- 1167. J.M. Sanchiz, J.M. Iñesta, and F. Pla, A neural network-based algorithm to detect dominant points from the chain-code of a contour, *ICPR D*, 325–329.
- 1168. N. Werghi, C. Doignon, and G. Abba, Ellipse fitting and three-dimensional localization of objects based on elliptic features, *ICIP A*, 57–60.
- 1169. J.P. Antoine, D. Barache, R.M. Cesar J[unio]r, and L. da F[ontoura] Costa, Multiscale shape analysis using the continuous wavelet transform, *ICIP A*, 291–294.
- 1170. J. Shah, Curve evolution and segmentation functionals: Application to color images, *ICIP A*, 461–464.
- 1171. G.M. Schuster and A.K. Katsaggelos, An efficient boundary encoding scheme which is optimal in the rate-distortion sense, *ICIP B*, 77–80.
- 1172. C. Orrite, J.E. Lopez, and A. Alcolea, Curve segmentation by continuous smoothing at multiple scales, *ICIP C*, 579–582.
- 1173. R. Bulot, J.M. Boi, J. Sequeira, and M. Caprioglio, Contour segmentation using Hough transform, *ICIP C*, 583–586.
- 1174. K. Sohn, Recognition of partially occluded target objects, *ICIP C*, 595–598.
- 1175. M. Pilu, A.W. Fitzgibbon, and R.B. Fisher, Ellipse-specific direct least-square fitting, *ICIP C*, 599–602.

F.4. Skeletons and thinning; distance

- 1176. H. Embrechts and D. Roose, A parallel Euclidean distance transformation algorithm, *CVIU* **63**, 1996, 15–26.
- 1177. D. Shaked and A.M. Bruckstein, The curve axis, *CVIU* **63**, 1996, 367–379.
- 1178. C.O. Kielman, Regularity properties of distance transformations in image analysis, *CVIU* **64**, 1996, 390–398.
- 1179. E.C. Sherbrooke, N.M. Patrikalakis, and F.E. Wolter, Differential and topological properties of medial axis transforms, *GMIP* **58**, 1996, 574–592.
- 1180. T. Hirata, A unified linear-time algorithm for computing distance maps, *IPL* **58**, 1996, 129–133.
- 1181. G. Sanniti di Baja and E. Thiel, Skeletonization algorithm running on path-based distance maps, *IVC* **14**, 1996, 47–57.
- 1182. R. Kimmel, N. Kiryati, and A.M. Bruckstein, Sub-pixel distance maps and weighted distance transforms, *JMIV* **6**, 1996, 223–233.
- 1183. Y.H. Lee, S.J. Horng, T.W. Kao, F.S. Jaung, Y.J. Chen, and H.R. Tsai, Parallel computation of exact Euclidean distance transform, *Parallel Computing* **22**, 1996, 311–325.
- 1184. R.L. Ogniewicz and O. Kübler, Voronoi tessellation of points with integer coordinates: Time-efficient implementation and online edge-list generation, *PR* **28**, 1995, 1839–1844.
- 1185. S. Ubeda, Pyramidal thinning algorithms for SIMD parallel machines, *PR* **28**, 1995, 1993–2000.

1186. R.C. Staunton, An analysis of hexagonal thinning algorithms and skeletal shape representation, *PR* **29**, 1996, 1131-1146.
1187. Y.S. Chen and Y.T. Yu, Thinning approach for noisy digital patterns, *PR* **29**, 1996, 1847-1802.
1188. C. Arcelli and G. Ramella, Sketching a grey-tone pattern from its distance transform, *PR* **29**, 1996, 2033-2045.
1189. J. Brown and A. Hoger, A morphological point thinning algorithm, *PRL* **17**, 1996, 197-207.
1190. P.J. Toivanen, New geodesic distance transforms for gray-scale images, *PRL* **17**, 1996, 437-450.
1191. H. Eggers, Parallel Euclidean distance transformations in \mathbb{Z}_g^n , *PRL* **17**, 1996, 751-757.
1192. B.B. Chaudhuri and A. Rosenfeld, On a metric distance between fuzzy sets, *PRL* **17**, 1996, 1157-1160.
1193. Y. Ge and J.M. Fitzpatrick, On the generation of skeletons from discrete Euclidean distance maps, *T-PAMI* **18**, 1996, 1055-1066.
1194. Y. Ge and J.M. Fitzpatrick, Extraction of maximal inscribed disks from discrete Euclidean distance maps, *CVPR*, 556-561.
1195. Y.S. Chen, The use of hidden deletable pixel detection to obtain bias-reduced skeletons in parallel thinning, *ICPR B*, 91-95.
1196. Y. Chehadeh, D. Coquin, and P. Bolon, A skeletonization algorithm using chamfer distance transformation adapted to rectangular grids, *ICPR B*, 131-135.
1197. Y.S. Chen and Y.T. Yu, Thinning noisy binary patterns using human visual symmetry, *ICPR B*, 146-150.
1198. S. Marchand-Maillet and Y.M. Sharaiha, A minimum spanning tree approach to line image analysis, *ICPR B*, 225-230.
1199. A. Datta, S.K. Parui, and B.B. Chaudhuri, Skeletal shape extraction from dot patterns by self-organization, *ICPR D*, 80-84.
1200. Y.Y. Zhang and P.S.P. Wang, A parallel thinning algorithm with two-subiteration that generates one-pixel-wide skeletons, *ICPR D*, 457-461.
1201. G. Borgefors and G. Sanniti di Baja, Multiresolution skeletonization in binary pyramids, *ICPR D*, 570-574.
1202. D. Attali and A. Montanvert, Modeling noise for a better simplification of skeletons, *ICIP C*, 13-16.
1203. X. Li, W.G. Oh, and J. Hong, Skeletonizing by compressed line adjacency graph in two directions, *ICIP C*, 17-20.

F.5. Pattern; formal languages

1204. M.M. Fleck, The topology of boundaries, *AI* **80**, 1996, 1-27.
1205. K. Zimmermann and C. Freksa, Qualitative spatial reasoning using orientation, distance, and path knowledge, *ApI* **6**, 1996, 49-58.

1206. J.M. Carstensen, An active lattice model in a Bayesian framework, *CVIU* **63**, 1996, 380–387.
1207. D. Nogly and M. Schladt, Digital topology on graphs, *CVIU* **63**, 1996, 394–396.
1208. D. Halperin and M. Sharir, A near-quadratic algorithm for planning the motion of a polygon in a polygonal environment, *DCG* **16**, 1996, 121–134.
1209. R. Aharoni, G.T. Herman, and M. Loeb, Jordan graphs, *GMIP* **58**, 1996, 345–359.
1210. A. McLean and S. Cameron, The virtual springs method: Path planning and collision avoidance for redundant manipulators, *IJRR* **15**, 1996, 300–319.
1211. J. Dassow, R. Freund, and G. Ram, Cooperating array grammar systems, *IJPRAI* **9**, 1995, 1029–1053.
1212. P. Cucka, N.S. Netanyahu, and A. Rosenfeld, Learning in navigation: Goal finding in graphs, *IJPRAI* **10**, 1996, 429–446.
1213. D.Z. Chen and K.S. Klenk, Rectilinear short path queries among rectangular obstacles, *IPL* **57**, 1996, 313–319.
1214. C. Kim, Unambiguous description of chain code picture languages, *IPL* **58**, 1996, 75–79.
1215. E. Clementini and P. Di Felice, A model for representing topological relationships between complex geometric features in spatial databases, *IS* **90**, 1996, 121–136.
1216. F. Drewes, Language theoretic and algorithmic properties of d -dimensional collages and patterns in a grid, *J. Computer System Sciences* **53**, 1996, 33–60.
1217. A.I. Bykov and L.G. Zerkalov, Algorithms for homotopy classification of binary images, *PR* **29**, 1996, 565–574.
1218. B.B. Chaudhuri, A new definition of neighborhood of a point in multi-dimensional space, *PRL* **17**, 1996, 11–17.
1219. C. Stivaros and T. Chimonidis, On image characterization in real time, *RTI* **2**, 1996, 171–179.
1220. M. Pellegrini, On point location and motion planning among simplices, *SIAM JC* **25**, 1996, 1061–1081.
1221. J. Sellen, Lower bounds for geometrical and physical problems, *SIAM JC* **25**, 1996, 1231–1253.
1222. Y. Elihai and Y. Yomdin, Flexible high-order discretization of geometric data for global motion planning, *TCS* **157**, 1996, 53–77.
1223. D. Maio, D. Maltone, and S. Rizzi, Dynamic clustering of maps in autonomous agents, *T-PAMI* **18**, 1996, 1080–1091.
1224. F. De la Rosa, C. Laugier, and J. Najera, Robust path planning in the plane, *T-RA* **12**, 1996, 347–352.
1225. X. Deng and A. Mirzaian, Competitive robot mapping with homogeneous markers, *T-RA* **12**, 1996, 532–542.
1226. J. Lu and K. Fujimura, Shape transformation in space-time, *VC* **12**, 1996, 455–473.
1227. J.D. Boissonat and S. Lazard, A polynomial-time algorithm for computing a shortest path of bounded curvature amidst moderate obstacles, *SCG*, 242–251.

- 1228. K. Romanik and S. Schuierer, Optimal robust localization in trees, *SCG*, 264–273.
- 1229. F. Xia, On contour invariants: Relationship and application, *ICPR B*, 136–140.
- 1230. J. Oncina, The Cocke-Younger-Kasami algorithm for cyclic strings, *ICPR B*, 413–416.
- 1231. E. Mozef, S. Weber, J. Jaber, and E. Tisserand, Parallel architecture dedicated to connected component analysis, *ICPR D*, 699–703.
- 1232. N.J. Leite, An SIMD parallel algorithm for classifying binary image contours based on mathematical morphology, *ICIP C*, 25–28.

G. Lightness and color; texture

G.1. Lightness, polarization, and color

- 1233. C.Y. Yang and J.C. Lin, RWM-cut for color image quantization, *C&G* **20**, 1996, 577–588.
- 1234. E. Saber, A.M. Tekalp, R. Eschbach, and K. Knox, Automatic image annotation using adaptive color classification, *GMIP* **58**, 1996, 115–126.
- 1235. P. Golland and A.M. Bruckstein, Why R.G.B.? Or how to design color displays for Martians, *GMIP* **58**, 1996, 405–412.
- 1236. Y. Sato and K. Ikeuchi, Reflectance analysis for 3D computer graphics model generation, *GMIP* **58**, 1996, 437–451.
- 1237. R. Bajcsy, S.W. Lee, and A. Leonardis, Detection of diffuse and specular interface reflections and inter-reflections by color image segmentation, *IJCV* **17**, 1996, 241–272.
- 1238. C.M. Onyango and J.A. Marchant, Flexible colour point distribution models, *IVC* **14**, 1996, 703–708.
- 1239. N. Ito, R. Kamakura, Y. Shimazu, T. Yokoyama, and Y. Matsushita, The combination of edge detection and region extraction in nonparametric color image segmentation, *IS* **92**, 1996, 277–294.
- 1240. B.G. Batchelor and P.F. Whelan, Real-time colour recognition in symbolic programming for machine vision systems, *MVA* **8**, 1995, 385–398.
- 1241. M.S. Kankanhalli, B.M. Mehtre, and J.K. Wu, Cluster-based color matching for image retrieval, *PR* **29**, 1996, 701–708.
- 1242. A. Gupta and B. Chanda, A hue preserving enhancement scheme for a class of colour images, *PRL* **17**, 1996, 109–114.
- 1243. C.K. Yang and W.H. Tsai, Reduction of color space dimensionality by moment-preserving thresholding and its application for edge detection in color images, *PRL* **17**, 1996, 481–490.
- 1244. K.P. Ngoi and J.C. Jia, A new colour image energy for active contours in natural scenes, *PRL* **17**, 1996, 1271–1277.
- 1245. I. Andreadis, P. Iliades, and P. Tsalides, A new ASIC for real-time linear color space transforms, *RTI* **1**, 1995, 373–379.

1246. I. Pitas and P. Kiniklis, Multichannel techniques in color image enhancement and modeling, *T-IP* 5, 1996, 168-171.
1247. M. Wolski, C.A. Bouman, J.P. Allebach, and E. Walowit, Optimization of sensor response functions for colorimetry of reflective and emissive objects, *T-IP* 5, 1996, 507-517.
1248. H.J. Trussell and M.S. Kulkarni, Sampling and processing of color signals, *T-IP* 5, 1996, 677-681.
1249. Y.C. Chang and J.F. Reid, RGB calibration for color image analysis in machine vision, *T-IP* 5, 1996, 1414-1422.
1250. M.C. Cheng, F. Lai, and W.C. Chen, Image shading taking into account relativistic effects, *TOG* 15, 1996, 265-300.
1251. D. Slater and G. Healey, The illumination-invariant recognition of 3D objects using local color invariants, *T-PAMI* 18, 1996, 206-210.
1252. G. Healey and A. Jain, Retrieving multispectral satellite images using physics-based invariant representations, *T-PAMI* 18, 1996, 842-848.
1253. G.D. Finlayson, Color in perspective, *T-PAMI* 18, 1996, 1054-1058.
1254. P.E. Trahanias and A.N. Venetsanopoulos, Vector order statistics operators as color edge detectors, *T-SMC* B26, 1996, 135-143.
1255. L.B. Wolff, Reflectance modeling for object recognition and detection in outdoor scenes, *IUW*, 799-803.
1256. B.A. Maxwell and S.A. Shafer, Physics-based segmentation: Looking beyond color, *IUW*, 867-878.
1257. H. Chen and L.B. Wolff, A polarization phase-based method for material classification and object recognition in computer vision, *IUW*, 1297-1303.
1258. N. Narenthiran and T.E. Boulton, Color channel mixing in learning from appearance, *IUW*, 1455-1456.
1259. K. Barnard, G. Finlayson, and B. Funt, Colour constancy for scenes with varying illumination, *ECCV* B, 3-15.
1260. G.D. Finlayson, S.S. Chatterjee, and B.V. Funt, Color angular indexing, *ECCV* B, 16-27.
1261. J.J. Koenderink, A.J. van Doorn, and M. Stavridi, Bidirectional reflection distribution function expressed in terms of surface scattering modes, *ECCV* B, 28-39.
1262. L.B. Wolff, Generalizing Lambert's law for smooth surfaces, *ECCV* B, 40-53.
1263. V. Müller, Elimination of specular surface-reflectance using polarized and unpolarized light, *ECCV* B, 625-635.
1264. N. Ohnishi, K. Kumaki, T. Yamamura, and T. Tanaka, Separating real and virtual objects from their overlapping images, *ECCV* B, 636-646.
1265. H. Chen and L.B. Wolff, Polarization phase-based method for material classification and object recognition in computer vision, *CVPR*, 128-135.

1266. B.A. Maxwell and S.A. Shafer, Physics-based segmentation: Moving beyond color, CVPR, 742-749.
1267. G. Healey and A. Jain, Using physics-based invariant representations for the recognition of regions in multispectral satellite images, CVPR, 750-755.
1268. D. Slater and G. Healey, Using a spectral reflectance model for the illumination-invariant recognition of local image structure, CVPR, 770-775.
1269. M. Levoy and P. Hanrahan, Light field rendering, SIGGRAPH, 31-42.
1270. S.J. Gortler, R. Grzeszczuk, R. Szeliski, and M.F. Cohen, The Lumigraph, SIGGRAPH, 43-54.
1271. J.L. Power, B.S. West, E.J. Stollnitz, and D.H. Salesin, Reproducing color images as duotones, SIGGRAPH, 237-248.
1272. T. Nishita, Y. Dobashi, and E. Nakamae, Display of clouds taking into account multiple anisotropic scattering and skylight, SIGGRAPH, 379-386.
1273. J. Dorsey and P. Hanrahan, Modeling and rendering of metallic patinas, SIGGRAPH, 387-396.
1274. S. Lin and S.W. Lee, Detection of specularities using stereo in color and polarization space, ICPR A, 263-267.
1275. V.V. Vinod and H. Murase, Object location using complementary color features: Histogram and DCT, ICPR A, 554-559.
1276. Y. Manabe and S. Inokuchi, Recognition of material types using spectral image, ICPR A, 840-843.
1277. T.F. Syeda-Mahmood and Y.Q. Cheng, Indexing colored surfaces in images, ICPR C, 8-12.
1278. Q. Huang, B. Dom, N. Megiddo, and W. Niblack, Segmenting and representing background in color images, ICPR C, 13-17.
1279. M. Pietikäinen, S. Nieminen, E. Marszalec, and T. Ojala, Accurate color discrimination with classification based on feature distributions, ICPR C, 833-838.
1280. J. Regincós-Isern and J. Batlle, A system to reduce the effect of CCD(s) saturation, ICIP A, 1001-1004.
1281. T. Carron and P. Lambert, Symbolic fusion of hue-chroma-intensity features for region segmentation, ICIP B, 971-974.
1282. P. Campadelli and R. Schettini, Approximation of the Hunt94 color appearance model by means of feed-forward neural networks, ICIP C, 999-1002.
1283. V. Lozano, P. Colantoni, and B. Laget, Color object detection using pyramidal adjacency graphs, ICIP C, 1007-1010.
1284. D.C. Alexander and B.F. Buxton, An evaluation of physically based statistical colour models for image region characterization, ICIP C, 1023-1026.
1285. Q. Huang and N. Megiddo, Color image background segmentation and representation, ICIP C, 1027-1030.
1286. L. Macaire, V. Ulte, and J.G. Postaire, Determination of compatibility coefficients for colour edge detection by relaxation, ICIP C, 1045-1048.
1287. P.W.M. Tsang and W.H. Tsang, Edge detection on object color, ICIP C, 1049-1052.

G.2. Texture: modeling and synthesis

- 1288. G.A. Edgar, *Classics on Fractals*, Addison-Wesley, Reading, MA.
- 1289. W. Strasser, guest ed., (Special Section on) Hardware Supported Texturing (Papers from the Tenth Eurographics Workshop on Graphics Hardware, Maastricht, The Netherlands, August 1995), *C&G* **20**(4), July–August 1996, 473–521.
- 1290. A. Schilling, G. Knittel, and W. Strasser, Texram: A smart memory for texturing, *CG&A* **16**(3), 1996, 32–41.
- 1291. C.L. Huang and K.C. Chen, Directional moving averaging interpolation for texture mapping, *GMIP* **58**, 1996, 301–313.
- 1292. W.M. Krueger, S.D. Jost, K. Rossi, and U. Axen, On synthesizing discrete fractional Brownian motion with applications to image processing, *GMIP* **58**, 1996, 334–344.
- 1293. K. Arakawa and E. Krotkov, Fractal modeling of natural terrain: Analysis and surface reconstruction with range data, *GMIP* **58**, 1996, 413–436.
- 1294. R.G. Aykroyd, J.G.B. Haigh, and S. Zimeras, Unexpected spatial patterns in exponential family auto models, *GMIP* **58**, 1996, 452–463.
- 1295. P. Soille and J.F. Rivest, On the validity of fractal dimension measurements in image analysis, *JVCIR* **7**, 1996, 217–229.
- 1296. K. Karu, A.K. Jain, and R.M. Bolle, Is there any texture in the image?, *PR* **29**, 1996, 1437–1446.
- 1297. L.M. Kaplan and C.C.J. Kuo, An improved method for 2-D self-similar image synthesis, *T-IP* **5**, 1996, 754–761.
- 1298. K. Sivakumar and J. Goutsias, Binary random fields, random closed sets, and morphological sampling, *T-IP* **5**, 1996, 899–912.
- 1299. T.E. Hall and G.B. Giannakis, Image modeling using inverse filtering criteria with application to textures, *T-IP* **5**, 1996, 938–949.
- 1300. R. Sriran, J.M. Francos, and W.A. Pearlman, Texture coding using a Wold decomposition model, *T-IP* **5**, 1996, 1382–1386.
- 1301. J. Zhang, The convergence of mean field procedures for MRF's, *T-IP* **5**, 1996, 1662–1665.
- 1302. F. Liu and R.W. Picard, Periodicity, directionality, and randomness: Wold features for image modeling and retrieval, *T-PAMI* **18**, 1996, 722–733.
- 1303. G.L. Gimelfarb, Texture modeling by multiple pairwise pixel interactions, *T-PAMI* **18**, 1996, 1110–1114.
- 1304. M.I. Güreli, Extensions of the modified-histogramming method for multilevel Markov random fields, *T-SMC* **B26**, 1996, 180–187.
- 1305. M. Gervautz and C. Traxler, Representation and realistic rendering of natural phenomena with cyclic CSG graphs, *VC* **12**, 1996, 62–74.
- 1306. X. Pennec and N. Ayache, Randomness and geometric figures in computer vision, *CVPR*, 484–491.

1307. S.C. Zhu, Y. Wu, and D. Mumford, FRAME: Filters, random fields and maximum entropy—Towards a unified theory for texture modeling, *CVPR*, 686–693.
1308. S. Worley, A cellular texture basis function, *SIGGRAPH*, 291–294.
1309. H.K. Pedersen, A framework for interactive texturing on curved surfaces, *SIGGRAPH*, 295–302.
1310. A.C. Beers, M. Agrawala, and N. Chaddha, Rendering from compressed textures, *SIGGRAPH*, 373–378.
1311. J. Dorsey, H.K. Pedersen, and P. Hanrahan, Flow and changes in appearance, *SIGGRAPH*, 411–420.
1312. G.L. Gimelfarb, Non-Markov Gibbs texture model with multiple pairwise pixel interactions, *ICPR B*, 591–595.
1313. V.M. Chernov, Tauber theorems for Dirichlet series and fractals, *ICPR B*, 656–661.
1314. V.V. Mottl, I.B. Muchnik, A.B. Blinov, and A.V. Kopylov, Hidden tree-like quasi-Markov model and generalized technique for a class of image analysis problems, *ICPR B*, 715–719.
1315. K. Karu, A.K. Jain, and R.M. Bolle, Is there any texture in the image, *ICPR B*, 770–774.
1316. P. Delagnes and D. Barba, Rectilinear structure extraction in textured images with an irregular graph-based Markov random field model, *ICPR B*, 800–804.
1317. A. Mosquera and D. Cabello, The Markov random fields in functional neighbors as a texture model: Applications in texture classification, *ICPR B*, 815–819.
1318. J. Feng, W.C. Lin, and C.T. Chen, Fractional box-counting approach to fractal dimension estimation, *ICPR B*, 854–858.
1319. C.Y. Wen and R. Acharya, Fractal analysis of self-similar textures using a Fourier-domain maximum likelihood estimation method, *ICIP A*, 165–168.
1320. C.Y. Wen and R. Acharya, Self-similar texture characterization using Wigner-Ville distribution, *ICIP C*, 141–144.
1321. M. Stavridi and J.J. Koenderink, Studies of 3-D model textures, *ICIP C*, 157–160.
1322. M. Szummer and R.W. Picard, Temporal texture modeling, *ICIP C*, 823–826.
1323. J. Bennett and A. Khotanzad, Multispectral and color image modeling and synthesis using random field models, *ICIP C*, 991–994.

G.3. Texture: description

1324. A. Waksman and A. Rosenfeld, Sparse, opaque three-dimensional texture, 2a. Visibility, *GMIP 58*, 1996, 155–163.
1325. V. Kovalev and M. Petrou, Multidimensional co-occurrence matrices for object recognition and matching, *GMIP 58*, 1996, 187–197.
1326. T. Ojala, M. Pietikäinen, and D. Harwood, A comparative study of texture measures with classification based on feature distributions, *PR 29*, 1996, 51–59.
1327. A. Waksman and A. Rosenfeld, Sparse, opaque three-dimensional texture, 2b. Photometry, *PR 29*, 1996, 297–313.

1328. O. Pichler, A. Teuner, and B.J. Hosticka, A comparison of texture feature extraction using adaptive Gabor filtering pyramidal and tree structured wavelet transforms, *PR* **29**, 1996, 733-742.
1329. B. Collin and B. Zavidovique, Deformation detection with frequency modulation, *PR* **29**, 1996, 1385-1399.
1330. K.V. Ramana and B. Ramamoorthy, Statistical methods to compare the texture features of machined surfaces, *PR* **29**, 1996, 1447-1459.
1331. G.L. Gimelfarb and A.K. Jain, On retrieving textured images from an image database, *PR* **29**, 1996, 1461-1483.
1332. C.V. Jawahar and A.K. Ray, Incorporation of gray-level imprecision in representation and processing of digital images, *PRL* **17**, 1996, 541-546.
1333. E. Oja and K. Valkealahti, Co-occurrence map: Quantizing multidimensional texture histograms, *PRL* **17**, 1996, 723-730.
1334. C.C. Chen and D.C. Chen, Mutli-resolution Gabor filter in texture analysis, *PRL* **17**, 1996, 1069-1076.
1335. F.H. Durgin and D.R. Proffitt, Visual learning in the perception of texture: Simple and contingent aftereffects of texture density, *SV* **9**, 1996, 423-474.
1336. A. Speis and G. Healey, An analytical and experimental study of the performance of Markov random fields applied to textured images using small samples, *T-IP* **5**, 1996, 447-458.
1337. A. Speis and G. Healey, Feature extraction for texture discrimination via random field models with random spatial interaction, *T-IP* **5**, 1996, 635-645.
1338. W.R. Wo and S.C. Wei, Rotation and gray-scale transform-invariant texture classification using spiral resampling, subband decomposition, and hidden Markov model, *T-IP* **5**, 1996, 1423-1434.
1339. A.K. Jain and K. Karu, Learning texture discrimination masks, *T-PAMI* **18**, 1996, 195-205.
1340. B.S. Manjunath and W.Y. Ma, Texture features for browsing and retrieval of image data, *T-PAMI* **18**, 1996, 837-842.
1341. Y. Rubner and C. Tomasi, Coalescing texture descriptors, *IUW*, 927-935.
1342. L. Wang and G. Healey, Illumination and geometry invariant recognition of texture in color images, *CVPR*, 419-424.
1343. W.Y. Ma and B.S. Manjunath, Texture features and learning similarity, *CVPR*, 425-430.
1344. P. Sukanya, H. Tanuma, R. Takamatsu, and M. Sato, A new operator for describing topographical image structure, *ICPR A*, 50-54.
1345. A.H. Schiztad Solberg, Texture fusion and classification based on flexible discriminant analysis, *ICPR B*, 596-600.
1346. B. Cohen, I. Dinstein, and M. Eyal, Computerized classification of color textured Perthite images, *ICPR B*, 601-605.
1347. F. Bello and R.I. Kitney, Co-occurrence-based texture analysis using irregular tessellations, *ICPR B*, 780-784.

1348. M. Hauta-Kasari, J. Parkkinen, T. Jaaskelainen, and R. Lenz, Generalized co-occurrence matrix for multispectral texture analysis, *ICPR B*, 785–789.
1349. R.F. Walker and P.T. Jackway, Statistical geometric features—Extensions for cytological texture analysis, *ICPR B*, 790–794.
1350. D. Chetverikov, Structural filtering with texture feature-based interaction maps: Fast algorithm and application, *ICPR B*, 795–799.
1351. I. Matalas, A new set of multiscale texture features based on B-spline image approximation, *ICPR B*, 810–814.
1352. J.F. Liu and J.C.M. Lee, An efficient and effective texture classification approach using a new notion in wavelet theory, *ICPR B*, 820–824.
1353. D. Sinclair, Cluster-based texture analysis, *ICPR B*, 825–829.
1354. A. Branca, M. Tafuri, G. Attolico, and A. Distanto, Directionality detection in compositional textures, *ICPR B*, 830–834.
1355. L. Hepplewhite and T.J. Stonham, Texture classification using n -tuple pattern recognition, *ICPR D*, 159–163.
1356. F. Huet and J. Mattioli, A textural analysis by mathematical morphology transformations: Structural opening and top-hat, *ICIP C*, 49–52.
1357. W. Li, V. Hease-Coat, and J. Ronsin, Robust morphological features for texture classification, *ICIP C*, 173–176.

G.4. Texture: segmentation

1358. J. Park and L. Kurz, Unsupervised segmentation of textured images, *IS* **92**, 1996, 255–276.
1359. K.Y. Song, J. Kittler, and M. Petrou, Defect detection in random colour textures, *IVC* **14**, 1996, 667–683.
1360. S.W. Lu and H. Xu, Textured image segmentation using autoregressive model and artificial neural network, *PR* **28**, 1995, 1807–1817.
1361. E. Salari and Z. Ling, Texture segmentation using hierarchical wavelet decomposition, *PR* **28**, 1995, 1819–1824.
1362. T.P. Weldon, W.E. Higgins, and D.F. Dunn, Efficient Gabor filter design for texture segmentation, *PR* **29**, 1996, 2005–2015.
1363. Z. Wang, A. Guerriero, and M. De Sario, Comparison of several approaches for the segmentation of texture images, *PRL* **17**, 1996, 509–521.
1364. A. Laine and J. Fan, Frame representation for texture segmentation, *T-IP* **5**, 1996, 771–780.
1365. P.P. Raghu and B. Yegnanarayana, Segmentation of Gabor-filtered textures using deterministic relaxation, *T-IP* **5**, 1996, 1625–1636.
1366. J.A. Noble, The effect of morphological filters on texture boundary localization, *T-PAMI* **18**, 1996, 554–561.
1367. N. Ahuja and S.A. Jackson, Multiscale region detection, *IUW*, 961–967.

1368. Z.Y. Xie and J.M. Brady, Texture segmentation using local energy in wavelet scale space, ECCV A, 304-313.
1369. P. Andrey and P. Tarroux, Unsupervised texture segmentation using selectionist relaxation, ECCV A, 482-491.
1370. J.R. Serra and J.B. Subirana-Vilanova, Perceptual grouping on texture images using non-Cartesian networks, ICPR B, 462-466.
1371. D. Carevic and T. Caelli, Adaptive Gabor filters for texture segmentation, ICPR B, 606-610.
1372. G.L. Gimelfarb, Gibbs models for Bayesian simulation and segmentation of piecewise-uniform textures, ICPR B, 760-764.
1373. H. Noda, M.N. Shirazi, and E. Kawaguchi, An MRF model-based method for unsupervised textured image segmentation, ICPR B, 765-769.
1374. U. Bhattacharya, B.B. Chaudhuri, and S.K. Parui, An MLP-based texture segmentation technique which does not require a feature set, ICPR B, 805-809.
1375. M. Goktepe, N. Yalabik, and V. Atalay, Unsupervised segmentation of gray level Markov model textures with hierarchical self organizing maps, ICPR D, 90-94.
1376. L. Hepplewhite and T.J. Stonham, Unsupervised texture segmentation by Hebbian learnt cortical cells, ICPR D, 381-385.
1377. L.Z. Qiang, D.W. Wen, L. Qing, and D. Telfer, Texture image segmentation: A local spectral mapping approach, ICIP C, 117-120.
1378. O. Schwartz and A. Quinn, Fast and accurate texture-based image segmentation, ICIP C, 121-124.
1379. S. Philipp and P. Zamperoni, Segmentation and contour closing of textured and non-textured images using distances between textures, ICIP C, 125-128.
1380. B.S. Runnacles and M.S. Nixon, Texture extraction and segmentation via statistical geometric features, ICIP C, 129-132.
1381. G.L. Gimelfarb, Texture modelling and segmenting by multiple pairwise pixel interactions, ICIP C, 133-136.
1382. T. Hofmann, J. Puzicha, and J.M. Buhmann, Unsupervised segmentation of textured images by pairwise data clustering, ICIP C, 137-140.
1383. P. Vautrot, N. Bonnet, and M. Herbin, Comparative study of different spatial/spatial-frequency methods (Gabor filters, wavelets, wavelet(s) packets) for texture segmentation/classification, ICIP C, 145-148.
1384. S.J. Hickinbotham, E.R. Hancock, and J. Austin, Segmenting modulated line textures with S-Gabor filters, ICIP C, 149-152.
1385. L.J. Tardon-Garcia, J. Portillo-Garcia, C. Alberola-Lopez, and J.I. Trueba-Santander, Hypothesis testing for coarse region estimation and stable point determination applied to Markovian texture segmentation, ICIP C, 169-172.
1386. M.L. Comer and E.J. Delp, The EM/MPM algorithm for segmentation of textured images: Analysis and further experimental results, ICIP C, 947-950.
1387. P. Wilinski, B. Solaiman, A. Hillion, and W. Czarnecki, A multiresolution hybrid neuro-Markovian image modeling and segmentation, ICIP C, 951-954.

- 1388. T.P. Weldon and W.E. Higgins, Integrated approach to texture segmentation using multiple Gabor filters, *ICIP C*, 955-958.
- 1389. D. Kacker, R.H. Bamberger, and P.J. Flynn, New subband geometries for image texture segmentation, *ICIP C*, 971-974.

H. Matching; stereo

H.1. Image and template matching

- 1390. R.R. Brooks, S.S. Iyengar, and J. Chen, Automatic correlation and calibration of noisy sensor readings using elite genetic algorithms, *AI* **84**, 1996, 339-354.
- 1391. J. Hu and T. Pavlidis, A hierarchical approach to efficient curvilinear object searching, *CVIU* **63**, 1996, 208-220.
- 1392. J. Feldmar and N. Ayache, Rigid, affine, and locally affine registration of free-form surfaces, *IJCV* **18**, 1996, 99-119.
- 1393. J.P. Thirion, New feature points based on geometric invariants for 3D image registration, *IJCV* **18**, 1996, 121-137.
- 1394. R. Szeliski and S. Lavalley, Matching 3-D anatomical surfaces with non-rigid deformations using octree splines, *IJCV* **18**, 1996, 171-186.
- 1395. Y. Xin, B. Truyen, I. Pratikakis, and J. Cornelis, Hierarchical contour matching in medical images, *IVC* **14**, 1996, 417-433.
- 1396. D. Brzakovic and N. Vujovic, Authentication of random patterns by finding a match in an image database, *IVC* **14**, 1996, 485-499.
- 1397. W.J. Christmas, J. Kittler, and M. Petrou, Probabilistic feature-labelling schemes: Modelling compatibility coefficient distributions, *IVC* **14**, 1996, 617-625.
- 1398. S. Alliney, G. Cortelazzo, and G.A. Mian, On the registration of an object translating on a static background, *PR* **29**, 1996, 131-141.
- 1399. E. Bribiesca, Measuring 3-D shape similarity using progressive transformations, *PR* **29**, 1996, 1117-1129.
- 1400. G. Cortelazzo, G. Deretta, G.A. Mian, and P. Zamperoni, Normalized weighted Levens(th)[ht]ein distance and triangle inequality in the context of similarity discrimination of bilevel images, *PRL* **17**, 1996, 431-436.
- 1401. J. Tarhio, A sublinear algorithm for two-dimensional string matching, *PRL* **17**, 1996, 833-838.
- 1402. K.Y. Kupeev and H.J. Wolfson, A new method of estimating shape similarity, *PRL* **17**, 1996, 873-887.
- 1403. S. Huwer, J. Rahmel, and A.V. Wangenheim, Data-driven registration for local deformations, *PRL* **17**, 1996, 951-957.
- 1404. L. Boxer, Point set pattern matching in 3-D, *PRL* **17**, 1996, 1293-1297.
- 1405. M. Khosrari and R.W. Schafer, Template matching based on a grayscale hit-or-miss transform, *T-IP* **5**, 1996, 1060-1066.

1406. B.S. Reddy and B.N. Chatterji, An FFT-based technique for translation, rotation, and scale-invariant image registration, *T-IP* 5, 1996, 1266–1271.
1407. G.E. Christensen, R.D. Rabbitt, and M.I. Miller, Deformable templates using large deformation kinematics, *T-IP* 5, 1996, 1435–1447.
1408. Z. Huang and F.S. Cohen, Affine-invariant B-spline moments for curve matching, *T-IP* 5, 1996, 1473–1480.
1409. Y. Amit and A. Kong, Graphical templates for model registration, *T-PAMI* 18, 1996, 225–236.
1410. A.K. Jain, Y. Zheng, and S. Lakshmanan, Object matching using deformable templates, *T-PAMI* 18, 1996, 267–278.
1411. J.B.A. Maintz, P.A. vanden Elsen, and M.A. Viergever, Evaluation of ridge seeking operators for multimodality medical image matching, *T-PAMI* 18, 1996, 353–365.
1412. R. Bergevin, M. Soucy, H. Gagnon, and D. Laurendeau, Towards a general multi-view registration technique, *T-PAMI* 18, 1996, 540–547.
1413. L. O’Gorman, Subpixel precision of straight-edged shapes for registration and measurement, *T-PAMI* 18, 1996, 746–751.
1414. D.P. McReynolds and D.G. Lowe, Rigidity checking of 3D point correspondences under perspective projection, *T-PAMI* 18, 1996, 1174–1185.
1415. R.R. Murphy, Biological and cognitive foundations of intelligent sensor fusion, *T-SMC* 26A, 1996, 42–51.
1416. I. Bloch, Information combination operators for data fusion: A comparative review with classification, *T-SMC* 26A, 1996, 52–67.
1417. A.N.A. Schwickerath and J.R. Beveridge, Coregistering 3D models, range, and optical imagery using least-median squares fitting, *IUW*, 719–722.
1418. C.F. Olson and D.P. Huttenlocher, Determining the probability of a false positive when matching chains of oriented pixels, *IUW*, 1175–1180.
1419. D.P. Huttenlocher, R.H. Lilien, and C.F. Olson, Approximate Hausdorff matching using eigenspaces, *IUW*, 1181–1186.
1420. R.J. Qian and T.S. Huang, A scale space based deformable template matching algorithm, *IUW*, 1187–1192.
1421. R.T. Collins, A space-sweep approach to true multi-image matching, *IUW*, 1213–1220.
1422. T.J. Cham and R. Cipolla, Geometric saliency of curve correspondences and grouping of symmetric contours, *ECCV* A, 385–398.
1423. T. Leung and J. Malik, Detecting, localizing and grouping repeated scene elements from an image, *ECCV* A, 546–555.
1424. C. Nastar, B. Moghaddam, and A. Pentland, Generalized image matching: Statistical learning of physically-based deformations, *ECCV* A, 589–598.
1425. S. Fletcher, A. Bulpitt, and D.C. Hogg, Global alignment of MR images using a scale based hierarchical model, *ECCV* B, 283–292.

1426. S. Irani and P. Raghavan, Combinatorial and experimental results for randomized point matching algorithms, SCG, 68-77.
1427. J.P. Thirion, Non-rigid matching using demons, CVPR, 245-251.
1428. R.T. Collins, A space-sweep approach to true multi-image matching, CVPR, 358-363.
1429. G. Bonmassar and E.L. Schwartz, Lie groups, space-variant Fourier analysis and the exponential chirp transform, CVPR, 492-498.
1430. H. Shekarforoush, M. Berthod, and J. Zerubia, Subpixel image registration by estimating the polyphase decomposition of cross power spectrum, CVPR, 532-537.
1431. A.N.A. Schwickerath and J.R. Beveridge, Coregistration of range and optical images using coplanarity and orientation constraints, CVPR, 899-906.
1432. S. Santini and R. Jain, Gabor space and the developement of preattentive similarity, ICPR A, 41-44.
1433. A. Mokadem, M. Daoudi, and F. Ghorbel, A shape distance by complete and stable invariant descriptors for contour tracking, ICPR A, 105-109.
1434. G.W.A.M. Van der Heijden and A.M. Vossepoel, A landmark-based approach of shape dissimilarity, ICPR A, 120-124.
1435. D.W. Eggert, A.W. Fitzgibbon, and R.B. Fischer, Simultaneous registration of multiple range views for use in reverse engineering, ICPR A, 243-247.
1436. A. Hill, T.F. Cootes, and C.J. Taylor, Least-squares solution of absolute orientation with non-scalar weights, ICPR A, 461-465.
1437. L. Altamirano-Robles and W. Eckstein, The importance of feature visibility for the evaluation of a matching hypothesis, ICPR A, 585-589.
1438. T.F. Syeda-Mahmood, Recognizing similarity through a constrained non-rigid transform, ICPR A, 617-621.
1439. A. Crouzil, L. Massip-Pailhes, and S. Castan, A new correlation criterion based on gradient fields similarity, ICPR A, 632-636.
1440. R. Azencott, F. Coldefy, and L. Younes, A distance for elastic matching in object recognition, ICPR A, 687-691.
1441. J.W. Hsieh, H.Y.M. Liao, K.C. Fan, and M.T. Ko, A fast algorithm for image registration without predetermining correspondences, ICPR A, 765-769.
1442. V. Charvillat and B. Thiesse, Registration of stereo based 3D maps for object modeling: A stochastic yet intelligent solution, ICPR A, 780-785.
1443. Y. Kita, Force-based registration method using attribute values, ICPR B, 34-39.
1444. A.J. Stoddart and A. Hilton, Registration of multiple point sets, ICPR B, 40-44.
1445. B. Moghaddam, C. Nastar, and A. Pentland, A Bayesian similarity measure for direct image matching, ICPR B, 350-358.
1446. J. de Knecht and K. Schutte, Finding map correspondence using geometric models, ICPR B, 755-759.
1447. A. Hoogs and R. Bajcsy, Model-based learning of segmentations, ICPR D, 494-499.

- 1448. Y. Wang and N. Funakubo, Detection of geometric shapes by the combination of genetic algorithm and subpixel accuracy, *ICPR D*, 535–539.
- 1449. K. Brunnström and A.J. Stoddart, Genetic algorithms for free-form surface matching, *ICPR D*, 689–693.
- 1450. P. Thevenaz and M. Unser, A pyramid approach to sub-pixel image fusion based on mutual information, *ICIP A*, 265–268.
- 1451. S. Kumar, C. Kambhamettu, D. Goldgof, and M. Sallam, Model based estimation of point correspondences between boundaries undergoing nonrigid motion, *ICIP A*, 359–362.
- 1452. D. Brujic and M. Ristic, Analysis of free form surface registration, *ICIP B*, 393–396.
- 1453. A. Simper, Correcting general band-to-band misregistrations, *ICIP B*, 597–600.
- 1454. M. Roux, Automatic registration of SPOT images and digitized maps, *ICIP B*, 625–628.
- 1455. D.G. Sim, S.Y. Jeong, R.H. Park, R.C. Kim, S.U. Lee, and I.C. Kim, Navigation parameter estimation from sequential aerial images, *ICIP B*, 629–632.
- 1456. L. Lucido, J. Opderbecke, V. Rigaud, R. Deriche, and Z. Zhang, An integrated multiscale approach for terrain referenced underwater navigation, *ICIP B*, 633–636.
- 1457. O.K. Kwon, D.G. Sim, and R.H. Park, New Hausdorff distances based on robust statistics for comparing images, *ICIP C*, 21–24.
- 1458. P. Refregier, F. Goudail, T. Gaidon, and M. Guillaume, Non-additive noise and optimal correlation, *ICIP C*, 639–642.
- 1459. L. Lucchese, G. Cortelazzo, and C. Monti, Estimation of affine transformations between image pairs via Fourier transform, *ICIP C*, 715–718.
- 1460. H. Onishi and H. Suzuki, Detection of rotation and parallel translation using Hough and Fourier transforms, *ICIP C*, 827–830.
- 1461. S. Olatunbosun, G.R. Dowling, and T.J. Ellis, Topological representation for matching coloured surfaces, *ICIP C*, 1019–1022.

H.2. Hough transforms; structure matching; recognition

- 1462. D. Shaked, O. Yaron, and N. Kiryati, Deriving stopping rules for the probabilistic Hough transform by sequential analysis, *CVIU* **63**, 1996, 512–526.
- 1463. M.S. Merry and J.W. Baker, Constant time algorithm for computing the Hough transform, *IVC* **14**, 1996, 35–37.
- 1464. M. Wright, A. Fitzgibbon, P.J. Giblin, and R.B. Fisher, Convex hulls, occluding contours, aspect graphs and the Hough transform, *IVC* **14**, 1996, 627–634.
- 1465. W.A. Götz and H.J. Druckmüller, A fast digital Radon transform—An efficient means for evaluating the Hough transform, *PR* **28**, 1995, 1985–1992.
- 1466. T.M. Breuel, Finding lines under bounded error, *PR* **29**, 1996, 167–178.
- 1467. Y. Zhang and R. Webber, A windowing approach to detecting line segments using Hough transform, *PR* **29**, 1996, 255–265.

1468. V.A. Shapiro, On the Hough transform of multi-level pictures, *PR* **29**, 1996, 589-602.
1469. S.S. Lee, S.J. Horng, T.W. Kao, and H.R. Tsai, Optimal computing Hough transform on a reconfigurable array of processors with wider bus networks, *PR* **29**, 1996, 603-613.
1470. J. Richardt, F. Karl, C. Müller, and R. Klette, The fuzzy local-global duality in detecting pictorial patterns, *PRL* **17**, 1996, 187-195.
1471. P. Milanfar, On the Hough transform of a polygon, *PRL* **17**, 1996, 209-210.
1472. C.T. Ho and L.H. Chen, A high-speed algorithm for line detection, *PRL* **17**, 1996, 467-473.
1473. Z. Hu and S. Ma, Uniform line parameterization, *PRL* **17**, 1996, 503-507.
1474. A. Imiya, Detection of piecewise-linear signals by the randomized Hough transform, *PRL* **17**, 1996, 771-776.
1475. P.S. Nair and A.T. Saunders Jr., Hough transform based ellipse detector algorithm, *PRL* **17**, 1996, 777-784.
1476. H. Kälviäinen, P. Hirronen, and E. Oka, Houghtool—A software package for the use of the Hough transform, *PRL* **17**, 1996, 889-897.
1477. R.C. Agrawal, R.K. Shevgaonkar, and S.C. Sahasrabudhe, A fresh look at the Hough transform, *PRL* **17**, 1996, 1065-1068.
1478. D. Ioannou, E.T. Dugan, and A.F. Laine, On the uniqueness of the representation of a convex polygon by its Hough transform, *PRL* **17**, 1996, 1259-1264.
1479. J.A. Marchant and R. Brivot, Real-time tracking of plant rows using a Hough transform, *RTI* **1**, 1995, 363-371.
1480. M. Atiquzzaman and M.W. Akhtar, A robust Hough transform technique for complete line segment description, *RTI* **1**, 1995, 419-426.
1481. L. da Fontoura Costa, Small camera movements as a means of reducing the amount of broken and false detected lines in Hough transform, *RTI* **2**, 1996, 181-185.
1482. A. Neri, Optimal detection and estimation of straight patterns, *T-IP* **5**, 1996, 787-792.
1483. K.V. Hansen and P.A. Toft, Fast curve estimation using preconditioned generalized Radon transform, *T-IP* **5**, 1996, 1651-1661.
1484. C.F. Olson, Decomposition of the Hough transform: Curve detection with efficient error propagation, *ECCV A*, 263-272.
1485. S.C. Pei and J.H. Horng, A low complexity algorithm for detecting rotational symmetry based on the Hough transform technique, *ICPR B*, 492-496.
1486. R. Cucchiara and F. Filicori, The vector-gradient Hough transform for identifying straight-translation generated shapes, *ICPR B*, 502-510.
1487. P.F. Fung, W.S. Lee, and I. King, Randomized generalized Hough transform for 2-D grayscale object detection, *ICPR B*, 511-515.
1488. M. Nakanishi and T. Ogura, A real-time CAM-based Hough transform algorithm and its performance evaluation, *ICPR B*, 516-521.

1489. A. Dehili, M. Akil, E. Dujardin, S. Zahirzami, and K. Hamard, Parallel Hough transform on a hierarchical structure, *ICPR B*, 522–526.
1490. M. Zhang, On the discretization of parameter domain in Hough transformation, *ICPR B*, 527–531.
1491. D. Ioannou and E.T. Dugan, Parallelogram detection in a digital image with the use of the Hough transform, *ICPR B*, 532–536.
1492. S.Y. Yuen and C.H. Ma, An investigation of the nature of parameterization for the Hough transform, *ICPR B*, 537–541.
1493. W.C.Y. Lam and S.Y. Yuen, Efficient circular object detection with hypothesis filtering strategy and Hough transform, *ICPR B*, 542–546.
1494. A.S. Aguado, M.E. Montiel, and M.S. Nixon, Extracting arbitrary geometric primitives represented by Fourier descriptors, *ICPR B*, 547–551.
1495. V. Chatzis and I. Pitas, Introducing the select and split fuzzy cell Hough transform, *ICPR B*, 553–556.
1496. H. Kälviäinen, P. Bosdogianni, M. Petrou, and J. Kittler, Mixed pixel classification with the randomized Hough transform, *ICPR B*, 576–580.
1497. A. Dehili, M. Akil, E. Dujardin, S. Zahirzami, and K. Hamard, Parallel Hough transform on hyper-pyramid architecture: A divide and conquer approach, *ICIP B*, 125–128.
1498. N. Guil and E.L. Zapata, Paralellization of irregular algorithms for shape detection, *ICIP B*, 129–132.
1499. M. Barni, V. Cappellini, A. Paoli, and A. Mecocci, Unsupervised detection of straight lines through possibilistic clustering, *ICIP B*, 963–966.
1500. O. Strauss, Reducing the precision/uncertainty duality in the Hough transform, *ICIP B*, 967–970.
1501. Z. Hu and S.D. Ma, Towards a new framework of the Hough transform, *ICIP C*, 623–626.
1502. A.S. Aguado, M.E. Montiel, and M.S. Nixon, Improving parameter space decomposition for the generalised Hough transform, *ICIP C*, 627–630.
1503. R. Cucchiara and M. Piccardi, Detection of luminosity profiles of elongated shapes, *ICIP C*, 635–638.
1504. L. Cinque, D. Yasuda, L.G. Shapiro, S. Tanimoto, and B. Allen, An improved algorithm for relational distance graph matching, *PR* **29**, 1996, 349–359.
1505. F. De Piero, M. Trivedi, and S. Serbin, Graph matching using a direct classification of node attendance, *PR* **29**, 1996, 1031–1048.
1506. R.C. Wilson and E.R. Hancock, A Bayesian compatibility model for graph matching, *PRL* **17**, 1996, 263–276.
1507. S. Gold and A. Rangarajan, A graduated assignment algorithm for graph matching, *T-PAMI* **18**, 1996, 377–388.
1508. A.D.J. Cross, R.C. Wilson, and E.R. Hancock, Genetic search for structural matching, *ECCV A*, 514–525.

1509. R.C. Wilson and E.R. Hancock, Gauging relational consistency and correcting structural errors, *CVPR*, 47-54.
1510. S. Gold and A. Rangarajan, Graph matching by graduated assignment, *CVPR*, 239-244.
1511. R.C. Wilson, A.D.J. Cross, and E.R. Hancock, Sensitivity analysis for structural matching, *ICPR A*, 62-66.
1512. T. Horiuchi, K. Yamamoto, and H. Yamada, Robust relaxation method for structural matching under uncertainty, *ICPR B*, 176-180.
1513. Z. Shao and J. Kittler, Fuzzy non-iterative ARG labeling with multiple interpretations, *ICPR B*, 181-185.
1514. A.M. Finch, R.C. Wilson, and E.R. Hancock, Relational matching with mean field annealing, *ICPR B*, 359-363.
1515. L.P. Cordella, P. Foggia, C. Sansone, and M. Vento, An efficient algorithm for the inexact matching of ARG graphs using a contextual transformational model, *ICPR C*, 180-184.
1516. H.W. Tung, V. Srinivasan, and S.H. Ong, Invariant object recognition using a neural net template classifier, *IVC* **14**, 1996, 473-483.
1517. R. Gerdes, R. Otterbach, and R. Kammüller, Fast and robust recognition and localization of 2-D objects, *MVA* **8**, 1995, 365-374.
1518. J. Cardillo and M.A. Sid-Ahmed, Target recognition in a cluttered scene using mathematical morphology, *PR* **29**, 1996, 27-49.
1519. L.K. Huang and M.J.J. Wang, Efficient shape matching through model-based shape recognition, *PR* **29**, 1996, 207-215.
1520. J.H. Chuang, A potential-based approach for shape matching and recognition, *PR* **29**, 1996, 463-470.
1521. X. Liu, S. Tan, and S.H. Ong, Fuzzy pyramid scheme for distorted object recognition, *PR* **29**, 1996, 1631-1646.
1522. J.H. Kim, S.H. Yoon, and K.H. Sohn, A robust boundary-based object recognition in occlusion environment by hybrid Hopfield neural networks, *PR* **29**, 1996, 2047-2060.
1523. D.M. Tsai and R.Y. Tsai, Using neural networks to determine matching order for recognizing overlapping objects, *PRL* **17**, 1996, 1077-1088.
1524. C.F. Olson, D.P. Huttenlocher, and D.M. Doria, Recognition by matching with edge location and orientation, *IUW*, 1167-1173.
1525. D.P. Huttenlocher, R.H. Lilien, and C.F. Olson, Object recognition using subspace methods, *ECCV A*, 536-545.
1526. T.L. Liu, M. Donahue, D. Geiger, and R. Hummel, Image recognition with occlusions, *ECCV A*, 556-565.
1527. F. Mokhtarian, Silhouette-based object recognition with occlusion through curvature scale space, *ECCV A*, 566-578.
1528. C. Rothwell, Reasoning about occlusions during hypothesis verification, *ECCV A*, 599-609.

- 1529. B. Schiele and J.L. Crowley, Object recognition using multidimensional receptive field histograms, *ECCV A*, 610–619.
- 1530. A. Leonardis and H. Bischof, Dealing with occlusions in the eigenspace approach, *CVPR*, 453–458.
- 1531. M.C. Molina-Gamez and J.B. Subirana-Vilanova, Sparse groups: A polynomial middle-level approach for object recognition, *ICPR A*, 518–522.
- 1532. A. Ghali and M.F. Daemi, Recognition information, *ICPR A*, 544–548.
- 1533. J.P. Tarel, Multi-objects interpretation, *ICPR A*, 612–616.
- 1534. P.J. Phillips, J. Huan, and S.M. Dunn, An efficient registration and recognition algorithm via sieve processes, *ICPR A*, 775–779.
- 1535. G. Bebis, M. Georgiopoulos, N. da Vitoria Lobo, and M. Shah, Learning affine transformations of the plane for model-based object recognition, *ICPR D*, 60–64.
- 1536. S.S. Young, P.D. Scott, and C. Bandera, Foveal automatic target recognition using a neural network, *ICIP A*, 303–306.

H.3. Stereo, etc.

- 1537. S. Das and N. Ahuja, Active surface estimation: Integrating coarse-to-fine image acquisition and estimation from multiple cues, *AI* **83**, 1996, 241–266.
- 1538. H. Sahabi and A. Basu, Analysis of error in depth perception with vergence and spatially varying sensing, *CVIU* **63**, 1996, 447–461.
- 1539. I.J. Cox, S.L. Hingorani, S.B. Rao, and B.M. Maggs, A maximum likelihood stereo algorithm, *CVIU* **63**, 1996, 542–567.
- 1540. A.K. Dalmia and M. Trivedi, High-speed extraction of 3D structure of selectable quality using a translating camera, *CVIU* **64**, 1996, 97–110.
- 1541. Q.T. Luong and O.D. Faugeras, The fundamental matrix: Theory, algorithms, and stability analysis, *IJCV* **17**, 1996, 43–75.
- 1542. O. Faugeras and L. Robert, What can two images tell us about a third one?, *IJCV* **18**, 1996, 5–19.
- 1543. P.N. Belhumeur, A Bayesian approach to binocular stereopsis, *IJCV* **19**, 1996, 237–260.
- 1544. C.V. Stewart, R.Y. Flatland, and K. Bubna, Geometric constraints and stereo disparity computation, *IJCV* **20**, 1996, 143–168.
- 1545. M. O'Neill and M. Denos, Automated system for coarse-to-fine pyramidal area correlation stereo matching, *IVC* **14**, 1996, 225–236.
- 1546. T.F. Cootes, E.C. DiMauro, C.J. Taylor, and A. Lanitis, Flexible 3D models from uncalibrated cameras, *IVC* **14**, 1996, 581–587.
- 1547. A.K. Dalmia and M. Trivedi, Depth extraction using a single moving camera: An integration of depth from motion and depth from stereo, *MVA* **9**, 1996, 43–55.
- 1548. H. Chabbi and M.O. Berger, Using projective geometry to recover planar surfaces in stereovision, *PR* **29**, 1996, 533–548.

1549. J.M. Chung and T. Nagata, Extraction of parametric descriptions of circular GCs from a pair of contours for 3-D shape recognition, *PR* **29**, 1996, 903-917.
1550. J. Shen and P. Paillou, Trinocular stereovision by generalized Hough transform, *PR* **29**, 1996, 1661-1672.
1551. W. Zhao and N. Nandhakumar, Effects of camera alignment errors on stereoscopic depth estimates, *PR* **29**, 1996, 2115-2126.
1552. Y. Ruichek and J.G. Postaire, A neural matching algorithm for 3-D reconstruction from stereo pairs of linear images, *PRL* **17**, 1996, 387-398.
1553. A. Bensrhar, P. Miché, and R. Debrie, Fast and automatic stereo vision matching algorithm based on dynamic programming method, *PRL* **17**, 1996, 457-466.
1554. J. Ens and Z.N. Li, Real-time motion stereo on SFU pyramid, *RTI* **1**, 1995, 385-396.
1555. J.S. Jin, W.K. Yeap, and B.F. Lox, A stereo model using LoG and Gabor Filters, *SV* **10**, 1996, 3-13.
1556. D.V. Papadimitriou and T.J. Dennis, Epipolar line estimation and rectification for stereo image pairs, *T-IP* **5**, 1996, 672-676.
1557. Z.N. Li and G. Hu, Analysis of disparity gradient based cooperative stereo, *T-IP* **5**, 1996, 1493-1506.
1558. G. Erten and R.M. Goodman, Analog VLSI implementation for stereo correspondence between 2-D images, *T-NN* **3**, 1996, 266-277.
1559. T. Moons, L. Van Gool, M. Proesmans, and E. Pauwels, Affine reconstruction from perspective image pairs with a relative object-camera translation in between, *T-PAMI* **18**, 1996, 77-83.
1560. P.W. Smith and N. Nandhakumar, An improved power cepstrum based stereo correspondence method for textured scenes, *T-PAMI* **18**, 1996, 338-348.
1561. F. Chaumette, S. Boukir, P. Bouthemy, and D. Juvin, Structure from controlled motion, *T-PAMI* **18**, 1996, 492-504.
1562. T. Kanade, A stereo machine for video-rate dense depth mapping and its new applications, *IUW*, 805-811.
1563. A. Shashua and P. Anandan, Trilinear constraints revisited: Generalized trilinear constraints and the tensor brightness constraint, *IUW*, 815-820.
1564. S. Avidan, Tensorial transfer: Representation of $N > 3$ views of 3D scenes, *IUW*, 821-824.
1565. Z. Zhang and A.R. Hanson, 3D reconstruction based on homography mapping, *IUW*, 1007-1012.
1566. F. Li, J.M. Brady, and C. Wiles, Fast computation of the fundamental matrix for an active stereo vision system, *ECCV A*, 157-166.
1567. J. Malik, On binocularly viewed occlusion junctions, *ECCV A*, 167-174.
1568. J. Gärding, J. Porrill, J.P. Frisby, and J.E.W. Mayhew, Uncalibrated relief reconstruction and model alignment from binocular disparities, *ECCV A*, 427-438.

1569. L. Robert and R. Deriche, Dense depth map reconstruction: A minimization and regularization approach which preserves discontinuities, ECCV A, 439–451.
1570. C. Tomasi and R. Manduchi, Stereo without search, ECCV A, 452–465.
1571. E. Boyer, Object models from contour sequences, ECCV B, 109–118.
1572. K. Kedem and Y. Yarmovski, Curve based stereo matching using the minimum Hausdorff distance, SCG, C-15–18.
1573. A.S. Bedekar and R.M. Haralick, Finding corresponding points based on Bayesian triangulation, CVPR, 61–66.
1574. T. Kanade, A. Yoshida, K. Oda, H. Kano, and M. Tanaka, A stereo machine for video-rate dense depth mapping and its new applications, CVPR, 196–202.
1575. F. Devernay and O. Faugeras, From projective to Euclidean reconstruction, CVPR, 264–269.
1576. D. Scharstein and R. Szeliski, Stereo matching with non-linear diffusion, CVPR, 343–350.
1577. D.N. Bhat and S.K. Nayar, Ordinal measures for visual correspondence, CVPR, 351–357.
1578. S.B. Kang and R. Szeliski, 3-D scene data recovery using omnidirectional multibaseline stereo, CVPR, 364–370.
1579. Y. Nakamura, T. Matsuura, K. Satoh, and Y. Ohta, Occlusion detectable stereo—Occlusion patterns in camera matrix, CVPR, 371–378.
1580. D. Scharstein, Stereo vision for view synthesis, CVPR, 852–858.
1581. R. Lengagne, P. Fua, and O. Monga, Using crest lines to guide surface reconstruction from stereo, ICPR A, 9–13.
1582. R. Benosman, T. Maniere, and J. Devars, Multidirectional stereovision sensor, calibration and scene(s) reconstruction, ICPR A, 161–165.
1583. R. Koch, Surface segmentation and modeling of 3-D polygonal objects from stereoscopic image pairs, ICPR A, 233–237.
1584. R. Basri, A. Grove, and D. Jacobs, Efficient determination of shape from multiple images containing partial information, ICPR A, 268–274.
1585. G. Baratoff, Ordinal and metric structure of smooth surfaces from parallax, ICPR A, 275–279.
1586. K. Satoh and Y. Ohta, Occlusion detectable stereo—Systematic comparison of detection algorithms, ICPR A, 280–286.
1587. M. Hansen and G. Sommer, Active depth estimation with gaze and vergence control using Gabor filters, ICPR A, 287–291.
1588. I. Weiss, 3-D curve reconstruction from uncalibrated cameras, ICPR A, 323–327.
1589. D. Southwell, A. Basu, M. Fiala, and J. Reyda, Panoramic stereo, ICPR A, 378–382.
1590. A. Luo, W. Tao, and H. Burkhardt, A new multilevel line-based stereo vision algorithm based on fuzzy techniques, ICPR A, 383–387.

1591. Z. Zhang, On the epipolar geometry between two images with lens distortion, ICPR A, 407-411.
1592. C. Wang and K. Abe, Stereo matching by integrating piecewise surfaces matched in subranges of depth, ICPR A, 423-427.
1593. T. Fröhlinghaus and J.M. Buhmann, Regularizing phase-based stereo, ICPR A, 451-455.
1594. M.H. An and C.N. Lee, Stereo vision based on algebraic curves, ICPR A, 476-482.
1595. A. Basu and H. Sahabi, Optimal non-uniform discretization for stereo reconstruction, ICPR A, 755-759.
1596. W.P. Ho and R.K.K. Yip, A dynamic programming approach for stereo line matching with structural information, ICPR A, 791-794.
1597. S.M. Thayer and C.S. Gourley, Designing stereo heads using task domain constraints, ICPR A, 820-824.
1598. A. Koschan, V. Rodehorst, and K. Spiller, Color stereo vision using hierarchical block matching and active color illumination, ICPR A, 835-839.
1599. A. Rieder, Trinocular divergent stereo vision, ICPR A, 859-863.
1600. C. Menard and A. Leonardis, Robust stereo on multiple resolutions, ICPR A, 910-914.
1601. G.L. Gimelfarb, V.I. Malov, V.B. Gayda, M.V. Grigorenko, B.O. Mikhalevich, and S.V. Oleynik, Digital photogrammetric station "Delta" and symmetric intensity-based stereo, ICPR C, 979-983.
1602. T. Lilenblum, P. Albrecht, and B. Michaelis, 3D-measurement of geometrical shapes by photogrammetry and neural networks, ICPR D, 330-334.
1603. H. Saito and M. Mori, Object modeling from multiple images using genetic algorithms, ICPR D, 669-673.
1604. N. Grammalidis and M.G. Strintzis, Disparity and occlusion estimation for multiview image sequences using dynamic programming, ICIP B, 337-340.
1605. R.K.K. Yip and W.P. Ho, Multi-level based stereo line matching with structural information using dynamic programming, ICIP B, 341-344.
1606. M.H. Ouali, H. Lange, and C. Lurgeau, An energy minimization approach to dense stereovision, ICIP B, 841-845.
1607. R. Lengagne, O. Monga, and P. Fua, Using crest lines to guide surface reconstruction from stereo, ICIP B, 847-850.
1608. A. Marugame, J. Katto, and M. Ohta, Structure recovery from scaled orthographic and perspective views, ICIP B, 851-854.
1609. R. Bess, D. Paulus, and H. Niemann, 3D recovery using calibrated active camera, ICIP B, 855-858.
1610. P. Lavoie, D. Ionescu, and E. Petriu, 3D reconstruction using an uncalibrated stereo pair of encoded images, ICIP B, 859-862.
1611. J. Katto and M. Ohta, Novel algorithms for object extraction using multiple camera inputs, ICIP B, 863-866.

1612. E.A. Hendriks and G. Marosi, Recursive disparity estimation algorithm for real time stereoscopic video applications, *ICIP B*, 891–894.
1613. H.J. Gonzalez and B. Cernuschi-Frias, Generation of single image stereograms based on stochastic textures, *ICIP C*, 153–156.

I. Range; recovery

I.1. Range sensing and range data analysis

1614. Q.L. Nguyen and M.D. Levine, Representing 3-D objects in range images using geons, *CVIU* **63**, 1996, 158–168.
1615. Y. Sato and S. Tamura, Detecting planar and curved symmetries of 3D shapes from a range image, *CVIU* **64**, 1996, 175–187.
1616. A. Lejeune and F.P. Ferrie, Finding the parts of objects in range images, *CVIU* **64**, 1996, 230–247.
1617. B. Parvin and G. Medioni, B-rep object description from multiple range views, *IJCV* **20**, 1996, 81–112.
1618. A. Krishnan and N. Ahuja, Range estimation from focus using a non-frontal imaging camera, *IJCV* **20**, 1996, 169–185.
1619. V. Koivunen and J.M. Vezien, Machine vision tools for CAGD, *IJPRAI* **10**, 1996, 165–182.
1620. M.D. Adams and P.J. Probert, The interpretation of phase and intensity data from AMCN light detection sensors for reliable ranging, *IJRR* **15**, 1996, 441–458.
1621. A. Busboom and R.J. Schalkoff, Direct surface parameter estimation using structured light: A predictor-corrector based approach, *IVC* **14**, 1996, 311–321.
1622. Y.Y. Cai, H.T. Loh, and A.Y.C. Nee, Qualitative primitive identification using fuzzy clustering and invariant approach, *IVC* **14**, 1996, 451–464.
1623. P.J. Flynn, Realistic range rendering for object hypothesis verification, *IVC* **14**, 1996, 465–472.
1624. Y.Y. Cai, A.Y.C. Nee, and H.T. Loh, Geometric feature detection for reverse engineering using range imaging, *JVCIR* **7**, 1996, 205–216.
1625. M.J. Milroy, C. Bradley, and G.W. Vickers, Automated laser scanning based on orthogonal cross sections, *MVA* **9**, 1996, 106–118.
1626. Z. Yang and Y.F. Wang, Error analysis of 3D shape construction from structured lighting, *PR* **29**, 1996, 189–206.
1627. V. Chandrasekaran, M. Palaniswami, and T.M. Caelli, Range image segmentation by dynamic neural network architecture, *PR* **29**, 1996, 315–329.
1628. S. Kaveti, E.K. Teoh, and H. Wang, Second-order implicit polynomials for segmentation of range images, *PR* **29**, 1996, 937–949.
1629. M. Baccar, L.A. Gee, R.C. Gonzalez, and M.A. Abidi, Segmentation of range images via data fusion and morphological watersheds, *PR* **29**, 1996, 1673–1687.

1630. T.L. Chin, Z. Chen, and C.J. Yueh, A method for rectifying grid junctions in grid-coded images using cross ratio, *T-IP* 5, 1996, 1276-1281.
1631. A. Hoover, G. Jean-Baptiste, X. Jiang, P.J. Flynn, H. Bunke, D.B. Goldgof, K. Bowyer, D.W. Eggert, A. Fitzgibbon, and R.B. Fisher, An experimental comparison of range image segmentation algorithms, *T-PAMI* 18, 1996, 673-689.
1632. S.K. Nayar, M. Watanabe, and M. Noguchi, Real-time focus range sensor, *T-PAMI* 18, 1996, 1186-1198.
1633. G.B. Chatterji and B. Sridhar, Discrete range clustering using Monte Carlo methods, *T-SMC* 26A, 1996, 832-837.
1634. W.B. Thompson, H.J. de St. Germain, T.C. Henderson, and J.C. Owen, Constructing high-precision geometric models from sensed position data, *IUW*, 987-994.
1635. T.C. Henderson, M. Dekhil, B. Brüderlin, L. Schenkat, and L. Veigel, Flat surface reconstruction using minimal sonar readings, *IUW*, 995-1000.
1636. S. Han and G. Medioni, Deformable surface reconstruction coupled with discontinuity edge detection, *IUW*, 1027-1032.
1637. C.W. Liao and G. Medioni, Surface approximation and segmentation of objects with unknown topology, *IUW*, 1033-1040.
1638. G. Guy and G. Medioni, Inference of surfaces, 3-D curves, and junctions from sparse 3-D data, *IUW*, 1041-1050.
1639. A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt, Reliable surface reconstruction from multiple range images, *ECCV A*, 117-126.
1640. E.P. Simoncelli and H. Farid, Direct differential range estimation using optical masks, *ECCV B*, 82-93.
1641. C. Delherm, J.M. Lavest, M. Dhome, and J.T. Lapresté, Dense reconstruction by zooming, *ECCV B*, 427-438.
1642. J.V. Miller and C.V. Stewart, MUSE: Robust surface fitting using unbiased scale estimates, *CVPR*, 300-306.
1643. M. Watanabe and S.K. Nayar, Minimal operator set for passive depth from defocus, *CVPR*, 431-438.
1644. P.G. Auran and K.E. Malvig, Real-time extraction of connected components in 3-D sonar range images, *CVPR*, 580-585.
1645. B. Curless and M. Levoy, A volumetric method for building complex models from range images, *SIGGRAPH*, 303-312.
1646. M.A. Halstead, B.A. Barsky, S.A. Klein, and R.B. Mandell, Reconstructing curved surfaces from specular reflection patterns using spline surface fitting of normals, *SIGGRAPH*, 335-342.
1647. K. Wu and M.D. Levine, 3D part segmentation using simulated electrical charge distributions, *ICPR A*, 14-18.
1648. S. Han and G. Medioni, Reconstructing free-form surfaces from sparse data, *ICPR A*, 100-104.

1649. C. Dorai, G. Wang, A.K. Jain, and C. Mercer, From images to models: Automatic 3D object model construction from multiple views, ICPR A, 770-774.
1650. V. Sequeira, J.G.M. Goncalves, and M.I. Ribeiro, Active view selection for efficient 3D scene reconstruction, ICPR A, 815-819.
1651. T.L. Chia, Z. Chen, and C.J. Yueh, Curved surface reconstruction using a simple structured light method, ICPR A, 844-848.
1652. S.S. Lin and C.S. Fuh, Range data reconstruction using Fourier slice theorem, ICPR A, 874-878.
1653. T. Masuda, K. Sakaue, and N. Yokoya, Registration and integration of multiple range images for 3-D model construction, ICPR A, 879-883.
1654. C. Zhao, D. Zhao, and Y. Chen, Simplified Gaussian and mean curvatures to range image segmentation, ICPR B, 427-431.
1655. C. Yim, A.C. Bovik, and J.K. Aggarwal, Bayesian range segmentation using focus cues, ICPR B, 482-486.
1656. M. de Bakker, P.W. Verbeek, F. van den Ouden, and G.K. Steenvoorden, High-speed acquisition of range images, ICPR C, 293-297.
1657. M. Proesmans, L. Van Gool, and A. Oosterlinck, One-shot active 3D shape acquisition, ICPR C, 336-340.
1658. J.A. Silva, A.J.C. Campilho, and J.C. Marques dos Santos, 3-D data acquisition and scene segmentation system, ICPR C, 563-567.
1659. M.A. García and L. Basañez, Fast extraction of surface primitives from range images, ICPR C, 568-572.
1660. F.W. DePiero and M.M. Trivedi, Real-time range image segmentation using adaptive kernels and Kalman filtering, ICPR C, 573-577.
1661. K. Hattori and Y. Sato, Accurate rangefinder with laser pattern shifting, ICPR C, 849-853.
1662. S. Hata, Y. Saitoh, S. Kumamura, and K. Kaida, Shape extraction of transparent object using genetic algorithm, ICPR D, 684-688.
1663. K. Sato, Range imaging based on moving pattern light and spatio-temporal matched filter, ICIP A, 33-36.
1664. I.S. Chang, D.G. Sim, and R.H. Park, Multiresolution surface parameter estimation for range images, ICIP A, 37-40.
1665. M. Djebali, K. Melkemi, M. Melkemi, and D. Vandorpe, Range image processing based on multiresolution analysis, ICIP A, 281-286.
1666. J. Hönig, B. Heit, and J. Bremont, Visual depth perception based on optical blur, ICIP A, 721-724.
1667. T. Kudo, A. Hirano, and H. Miike, Recovering 3D shape and texture from continuous focus series: Using a polarized filter, ICIP A, 741-744.
1668. A. Hilton, A.J. Stoddart, J. Illingworth, and T. Winder, Marching triangles: Range image fusion for complex object modelling, ICIP B, 381-384.

- 1669. V. Koivunen, P. Kuosmanen, and J. Astola, Orthogonal spline fitting in range data, *ICIP B*, 385–388.
- 1670. R. Pito, Mesh integration based on co-measurements, *ICIP B*, 397–400.
- 1671. V. Sequeira, J.G.M. Goncalves, and M.I. Ribeiro, 3D reconstruction of indoor environments, *ICIP B*, 405–408.
- 1672. M. Soucy, G. Godin, R. Baribeau, F. Blais, and M. Rioux, Sensors and algorithms for the construction of digital 3-D colour models of real objects, *ICIP B*, 409–412.
- 1673. D. Cho and Y.J. Bae, Fuzzy-set based feature extraction for objects of various shapes and appearances, *ICIP B*, 983–986.
- 1674. M. Proesmans, L.J. Van Gool, and A. Oosterlinck, Active acquisition of 3D shape for moving objects, *ICIP C*, 647–650.
- 1675. B. Zerr and B. Stage, Three-dimensional reconstruction of underwater objects from a sequence of sonar images, *ICIP C*, 927–930.

I.2. Recovery

- 1676. R. Cipolla, *Active Visual Inference of Surface Shape*, Springer, Berlin, 1996 (LNCS 1016).
- 1677. T. Watanabe, A. Tashiro, and S. Fujii, Estimation of three-dimensional objects from orthographic views with inconsistencies, *C&G* **19**, 1995, 815–829.
- 1678. J.K. Hasegawa and C.L. Tuzzi, Shape from shading with perspective projection and camera calibration, *C&G* **20**, 1996, 351–364.
- 1679. T. Kulick, Shape from shading using three images, *Computing* **57**, 1996, 1–24.
- 1680. R. Zhang, P.S. Tsai, and M. Shah, Photomotion, *CVIU* **63**, 1996, 221–231.
- 1681. L.R. Williams and A.R. Hanson, Perceptual completion of occluded surfaces, *CVIU* **64**, 1996, 1–20.
- 1682. C.S. Zhao and R. Mohr, Global three-dimensional surface reconstruction from occluding contours, *CVIU* **64**, 1996, 62–96.
- 1683. P. Fua and Y.G. Leclerc, Taking advantage of image-based and geometry-based constraints to recover 3-D surfaces, *CVIU* **64**, 1996, 111–127.
- 1684. I. Shimshoni, R. Kimmel, and A.M. Bruckstein, Global shape from shading, *CVIU* **64**, 1996, 188–189.
- 1685. M.S. Drew, Direct solution of orientation-from-color problem using a modification of Pentland's light source direction estimator, *CVIU* **64**, 1996, 286–299.
- 1686. J. Gärding and T. Lindeberg, Direct computation of shape cues using scale-adapted spatial derivative operators, *IJCV* **17**, 1996, 163–191.
- 1687. J.D. Durou and H. Maitre, On convergence in the methods of Strat and of Smith for shape from shading, *IJCV* **17**, 1996, 273–289.
- 1688. D.A. Forsyth, Recognizing algebraic surfaces from their outlines, *IJCV* **18**, 1996, 21–40.
- 1689. P. Parodi, The complexity of understanding line drawings of origami scenes, *IJCV* **18**, 1996, 139–170.

1690. H. Shekarforoush, M. Berthod, J. Zerubia, and M. Werman, Sub-pixel Bayesian estimation of albedo and height, *IJCV* **19**, 1996, 289–300.
1691. M. Zerroug and R. Nevatia, Volumetric descriptions from a single intensity image, *IJCV* **20**, 1996, 11–42.
1692. R. Chung and R. Nevatia, Recovering LSHGCs and SHGCs from stereo, *IJCV* **20**, 1996, 43–58.
1693. W.T. Freeman, Exploiting the generic viewpoint assumption, *IJCV* **20**, 1996, 243–261.
1694. T. Tambouratzis, Using geometrical information for accurate scene understanding in an artificial vision system, *IJIS* **11**, 1996, 833–863.
1695. A. Heyden, On the consistency of line drawings obtained by projections of piecewise planar objects, *JMIV* **6**, 1996, 393–412.
1696. K.M. Lee and C.C.J. Kuo, Shape from photometric ratio and stereo, *JVCIR* **7**, 1996, 155–162.
1697. J.S. Kwon, H.K. Hong, and J.S. Choi, Obtaining a 3-D orientation of projective textures using a morphological method, *PR* **29**, 1996, 725–732.
1698. Y.P. Deng and J.G. Li, Some results: Shape from shading as a fully well-constrained problem, *PRL* **17**, 1996, 169–174.
1699. J.B. Huang, Z. Chen, and T.L. Chia, Pose determination of a cylinder using reprojection transformation, *PRL* **17**, 1996, 1089–1099.
1700. A. Laurentini, Surface reconstruction accuracy for active volume intersection, *PRL* **17**, 1996, 1285–1292.
1701. W.R. Uttal, N. Liu, and J. Kalki, An integrated computational model of three-dimensional vision, *SV* **9**, 1996, 393–422.
1702. J. Shah, H.H. Pien, and J.M. Gauch, Recovery of surfaces with discontinuities by fusing shading and range data within a variational framework, *T-IP* **5**, 1996, 1243–1251.
1703. G.Q. Wei and G. Hirzinger, Learning shape from shading by a multilayer network, *T-NN* **7**, 1996, 985–995.
1704. L. Quan, Conic reconstruction and correspondence from two views, *T-PAMI* **18**, 1996, 151–160.
1705. A.D. Gross and T.E. Boult, Recovery of SHGC's from a single intensity view, *T-PAMI* **18**, 1996, 161–180.
1706. P. Parodi and G. Piccioli, 3D shape reconstruction by using vanishing points, *T-PAMI* **18**, 1996, 211–217.
1707. M. Zerroug and R. Nevatia, Three-dimensional descriptions based on the analysis of the invariant and quasi-invariant properties of some curved-axis generalized cylinders, *T-PAMI* **18**, 1996, 237–253.
1708. F. Solomon and K. Ikeuchi, Extracting the shape and roughness of specular lobe objects using four light photometric stereo, *T-PAMI* **18**, 1996, 449–454.
1709. M. Shpitalni and H. Lipson, Identification of faces in a 2D line drawing projection of a wireframe object, *T-PAMI* **18**, 1996, 1000–1012.

1710. E. Angelopoulou, J.P. Williams, and L.B. Wolff, Curvature-based signatures for object description and recognition, IUW, 973-980.
1711. D. Weinshall and M. Werman, A computational theory of canonical views, IUW, 1001-1006.
1712. P. Havaladar and G. Medioni, Inference of segmented, volumetric shape from intensity images, IUW, 1057-1064.
1713. D.R. Hougen and N. Ahuja, Shape from appearance: A statistical approach to surface shape estimation, IUW, 1095-1101.
1714. D.R. Hougen and N. Ahuja, Resolution and accuracy of stereo, focus, and shading methods, IUW, 1133-1139.
1715. D. Yang and J.R. Kender, Shape from darkness under error, IUW, 1141-1148.
1716. I. Weiss, Model-based recognition of 3D curves from one view, IUW, 1251-1256.
1717. M. Pilu and R.B. Fisher, Recognition of geons by parametric deformable contour models, ECCV A, 71-82.
1718. G.J. Fletcher and P.J. Giblin, Class based reconstruction techniques using singular apparent contours, ECCV A, 107-116.
1719. D.R. Hougen and N. Ahuja, Shape from appearance: A statistical approach to surface shape estimation, ECCV A, 127-136.
1720. T. Vetter and T. Poggio, Image synthesis from a single example image, ECCV A, 652-659.
1721. C.J. Taylor, P.E. Debevec, and J. Malik, Reconstructing polyhedral models of architectural scenes from photographs, ECCV B, 659-668.
1722. P. Havaladar and G. Medioni, Inference of segmented, volumetric shape from three intensity images, CVPR, 278-284.
1723. A.J. Stewart and M.S. Langer, Towards accurate recovery of shape from shading under diffuse lighting, CVPR, 411-418.
1724. J. Lu and J. Little, Geometric and photometric constraints for surface recovery, CVPR, 694-700.
1725. P. Breton and S.W. Zucker, Shadows and shading flow fields, CVPR, 782-789.
1726. R. Rosenholtz and J.J. Koenderink, Affine structure and photometry, CVPR, 790-795.
1727. C.G. Bräutigam, J. Gärding, and J.O. Eklundh, Seeing the obvious, ICPR A, 67-72.
1728. K. Nishimura and H.T. Tanaka, Active shape inferring based on the symmetry in stable poses—Shape from function approach, ICPR A, 130-140.
1729. Y.L. Tian and H.T. Tsui, Shape from shading for non-Lambertian surfaces from one color image, ICPR A, 258-262.
1730. S.D. Ma and L. Li, Ellipsoid reconstruction from three perspective views, ICPR A, 344-348.
1731. T. Shioyama and W.B. Jiang, Numerical 3-D shape inference from shading with new type of constraint, ICPR A, 364-368.

1732. C.K. Huang, C. Pai, and W.T. Chang, Shape from shading using Ritz method with tent basis, ICPR A, 398-402.
1733. A. Imiya, Y. Fujiwara, and T. Kawashima, Reconstruction, recognition, and representation of trees, ICPR A, 595-600.
1734. J.Y. Zheng, H. Kakinoki, K. Tanaka, and N. Abe, Computing 3D models of rotating objects from moving shading, ICPR A, 800-804.
1735. T. Okatani and K. Deguchi, Reconstructing shape from shading with a point light source at the projection center: Shape reconstruction from an endoscope image, ICPR A, 830-834.
1736. C.H. Kim, M.W. Hong, and S. Nishihara, Reconstructing 3-D models with algebraic curved surfaces from three-view drawings, ICPR A, 854-858.
1737. J.Y. Zheng, A. Murata, Y. Fukagawa, and N. Abe, Reconstruction of 3D models from specular motion using circular lights, ICPR A, 869-873.
1738. A. Goller, Concurrent radar image shape-from-shading on high-performance computers, ICPR D, 589-593.
1739. Y.L. Tian and H.T. Tsui, 3D shape recovery from two-color image sequences using a genetic algorithm, ICPR D, 674-678.
1740. S.H. Ryu, T.E. Kim, and J.S. Choi, Shape reconstruction using estimated surface reflectance properties, ICIP A, 29-32.
1741. J. Gomez Garcia-Bermejo, F. Diaz Pernas, and J. Lopez Coronado, An approach for determining bidirectional reflectance parameters from range and brightness data, ICIP A, 41-44.
1742. C.R. Guarino, SAR interferometry: A novel method for enhancing elevation maps by combining interferometry with shape-from-shading, ICIP A, 45-48.
1743. F. Camilli and M. Falcone, An approximation scheme for the maximal solution of the shape-from-shading problem, ICIP A, 49-52.
1744. C.S. Lu, W.L. Hwang, H.Y.M. Liao, and P.C. Chung, Shape from texture based on the ridge of continuous wavelet transform, ICIP A, 295-298.
1745. P. Gamba, A. Mecocci, and U. Salvatore, Vanishing point detection by a voting scheme, ICIP B, 301-304.
1746. J.C.H. Leung and G.F. McLean, Vanishing point matching, ICIP B, 305-308.
1747. M. Galo and C.L. Tozzi, Surface reconstruction using multiple light sources and perspective projection, ICIP B, 309-312.
1748. H.K. Hong, Y.C. Myung, and J.S. Choi, 3-D analysis of textures using structural information, ICIP C, 161-164.
1749. F. Leymarie, A. de la Fortelle, J.J. Koenderink, A.M.L. Kappers, M. Stavridi, B. van Ginneken, S. Muller, S. Krake, O. Faugeras, L. Robert, C. Gauclin, S. Laveau, and C. Zeller, Realise: Reconstruction of reality from image sequences, ICIP C, 651-654.
1750. W. Niem and M. Steinmetz, Camera viewpoint control for the automatic reconstruction of 3D objects, ICIP C, 655-658.
1751. S.G. Deshpande and S. Chaudhuri, Recursive estimation of illuminant motion from flow field, ICIP C, 771-774.

J. 3D shape

J.1. Models

- 1752. M. Hebert, J. Ponce, T. Boult, and A. Gross, eds., (Proceedings of the First International Workshop on) *Object Representation in Computer Vision*, Springer, Berlin, 1995.
- 1753. J. Ponce, A. Zisserman, and M. Hebert, eds., (Proceedings of the Second International Workshop on) *Object Representation in Computer Vision II* (Cambridge, UK, April 13–14, 1996), Springer, Berlin, 1996.
- 1754. CSG '96, Set-Theoretic Solid Modelling: Techniques and Applications, Winchester, UK, April 17–19, 1996.
- 1755. Blaubeuren II, Theory and Practice of Geometric Modeling, Tübingen, Germany, October 14–18, 1996.
- 1756. A. Hartwig, *Algebraic 3-D Modeling*, A.K. Peters, Wellesley, MA, 1996.
- 1757. C. Machover, *The CAD/CAM Handbook*, McGraw-Hill, New York, 1996.
- 1758. H.N. Ng and R.L. Grimsdale, Computer graphics techniques for modeling cloth, *CG&A* **16**(5), 1996, 28–41.
- 1759. M. Soucy and D. Laurendeau, Multiresolution surface modeling based on hierarchical triangulation, *CVIU* **63**, 1996, 1–14.
- 1760. G. Barequet and M. Sharir, Piecewise-linear interpolation between polygonal slices, *CVIU* **63**, 1996, 251–272.
- 1761. T.W. Sederberg and A.K. Zundel, Pyramids that bound surface patches, *GMIP* **58**, 1996, 75–81.
- 1762. N. Foster and D. Metaxas, Realistic animation of liquids, *GMIP* **58**, 1996, 471–483.
- 1763. S.W. Chen, G. Stockman, C.Y. Das, and C.P. Chuang, Two-stage dynamic deformation for construction of 3D models, *GMIP* **58**, 1996, 484–493.
- 1764. C.L. Bajaj, E.J. Coyle, and K.N. Lin, Arbitrary topology shape reconstruction from planar cross-sections, *GMIP* **58**, 1996, 524–543.
- 1765. J.W. Bruce, P.J. Giblin, and F. Tari, Parabolic curves of evolving surfaces, *IJCV* **17**, 1996, 291–306.
- 1766. J.W. Bruce, P.J. Giblin, and F. Tari, Ridges, crests, and sub-parabolic lines of evolving surfaces, *IJCV* **18**, 1996, 195–210.
- 1767. J.P. Thirion, The extremal mesh and the understanding of 3D surfaces, *IJCV* **19**, 1996, 115–128.
- 1768. S.C. Zhu and A.L. Yuille, FORMS: A flexible object recognition and modelling system, *IJCV* **20**, 1996, 187–212.
- 1769. S. Bhandarkar, A surface feature attributed hypergraph representation for 3-D object recognition, *IJPRAI* **9**, 1995, 869–909.
- 1770. T. Heap and D. Hogg, Extending the Point Distribution Model using polar coordinates, *IVC* **14**, 1996, 589–599.

1771. A. Hill, T.F. Cootes, and C.J. Taylor, Active Shape Models and the shape approximation problem, *IVC* **14**, 1996, 601–607.
1772. C.M. Onyango and J.A. Marchant, Modelling grey level surfaces using three-dimensional point distribution models, *IVC* **14**, 1996, 733–739.
1773. X. Yuan and S. Lu, Resolving view sensitivity with surface locality, *PR* **29**, 1996, 1485–1493.
1774. S.W. Chen, G.C. Stockman, and K.E. Chang, SO dynamic deformation for building of 3-D models, *T-NN* **7**, 1996, 374–387.
1775. L. De Floriani and E. Puppo, Hierarchical triangulation for multiresolution surface description, *TOG* **14**, 1995, 363–411.
1776. D. De Carlo and D. Metaxas, Blended deformable models, *T-PAMI* **18**, 1996, 443–448.
1777. D.K. Bogen and D.A. Rahdert, A strain energy approach to regularization in displacement fits of elastically deforming bodies, *T-PAMI* **18**, 1996, 629–635.
1778. Y. Kita, Elastic-model driven analysis of several views of a deformable cylindrical object, *T-PAMI* **18**, 1996, 1150–1162.
1779. A. Gueziec and R. Hummel, Exploiting triangulated surface extraction using tetrahedral decomposition, *T-VCG*, 1995, 328–342.
1780. C.M. Hoffmann and J.R. Rossignac, A road map to solid modeling, *T-VCG* **2**, 1996, 3–10.
1781. A.I. Sourin and A.A. Pasko, Function representation for sweeping by a moving solid, *T-VCG* **2**, 1996, 11–18.
1782. A. Rappoport, A. Shaffer, and M. Bercovier, Volume-preserving free-form solids, *T-VCG* **2**, 1996, 19–27.
1783. E.C. Sherbrooke, N.M. Patrikalakis, and E. Brisson, An algorithm for the medial axis transform of 3D polyhedral solids, *T-VCG* **2**, 1996, 44–61.
1784. D.J. Sheehy, C.G. Armstrong, and D.J. Robinson, Shape description by medial surface construction, *T-VCG* **2**, 1996, 62–72.
1785. H. Qin and D. Terzopoulos, D-NURBS: A physics-based framework for geometric design, *T-VCG* **2**, 1996, 85–96.
1786. L. Ling, M. Damodaran, and R.K.L. Gay, Aerodynamic force models for animating cloth motion in air flow, *VC* **12**, 1996, 84–104.
1787. J.D. Liu, M.T. Ko, and R.C. Chang, Collision avoidance in cloth animation, *VC* **12**, 1996, 234–243.
1788. C. Blanc and C. Schlick, Ratioquadrics: An alternative model for superquadrics, *VC* **12**, 1996, 420–428.
1789. H.Y. Shum, M. Hebert, and K. Ikeuchi, On 3D shape synthesis, *IUW*, 1103–1112.
1790. W.B. Thompson, R.F. Riesenfeld, and J.C. Owen, Determining the similarity of geometric models, *IUW*, 1157–1160.
1791. G. Provan, P. Langley, and T.O. Binford, Probabilistic learning of three-dimensional object models, *IUW*, 1403–1413.

1792. C. Spence, J.C. Pearson, and P. Sajda, Learning hierarchical representations of objects, IUW, 1415-1427.
1793. G. Taubin, T. Zhang, and G. Golub, Optimal surface smoothing as filter design, ECCV A, 283-292.
1794. Y. Gdalyahu and D. Weinshall, Measures for silhouette(s) resemblance and representative silhouettes of curved objects, ECCV B, 363-375.
1795. D. Metaxas and I.A. Kakadiaris, Elastically adaptive deformable models, ECCV B, 550-559.
1796. P.N. Belhumeur and D.J. Kriegman, What is the set of images of an object under all possible lighting conditions?, CVPR, 270-277.
1797. H.Y. Shum, M. Hebert, and K. Ikeuchi, On 3D shape similarity, CVPR, 526-531.
1798. M. Burge, W. Burger, and W. Mayr, Recognition and learning with polymorphic structural components, ICPR A, 19-23.
1799. M.P.P. Schlicher, E. Bouts, and P.W. Verbeek, Fast analytical medial-axis localization in convex polyhedra, ICPR A, 55-61.
1800. T. Werner, V. Hlavac, A. Leonardis, and T. Pajdla, Selection of reference views for image-based representation, ICPR A, 73-77.
1801. S.M. Seitz and C.R. Dyer, Toward image-based scene representation using view morphing, ICPR A, 84-89.
1802. R. Lin, W.C. Lin, and C.T. Chen, Recovery of 3-D closed surfaces using progressive shell models, ICPR A, 95-99.
1803. P. Uray and A. Pinz, Topological investigations of object models, ICPR A, 110-114.
1804. N. Ayoung-Chee, G. Dudek, and F.P. Ferrie, Enhanced 3D representation using a hybrid model, ICPR A, 575-579.
1805. K. Sengupta and K.L. Boyer, Using spectral features for modelbase partitioning, ICPR B, 65-69.
1806. N.M. Sirakov, Automatic reconstruction of 3D branching objects, ICPR B, 620-624.
1807. J. Chao and J. Nakayama, Cubical singular simplex model for 3D objects and fast computation of homology groups, ICPR D, 190-194.
1808. Y. Kitamura and F. Kishino, A parallel algorithm for octree generation from polyhedral shape representation, ICPR D, 303-309.
1809. M. Mukherjee and S. Vemuri, A novel approach to represent 3-D isothetic scenes using XYZ trees, ICIP B, 333-336.
1810. S. Han and G. Medioni, Spherical winged B-snakes, ICIP B, 389-392.

J.2. Recognition

1811. C.A. Rothwell, *Object Recognition Through Invariant Indexing*, Oxford University Press, Oxford, UK, 1996.
1812. F.C.D. Tsai, A probabilistic approach to geometric hashing using line features, *CVIU* **63**, 1996, 182-195.

1813. C.S. Chua and R. Jarvis, 3D free-form surface registration and object recognition, *IJCV* **17**, 1996, 77–99.
1814. S.K. Nayar and R.M. Bolle, Reflectance based object recognition, *IJCV* **17**, 1996, 219–240.
1815. I. Schreiber and M. Ben-Bassat, FEG structures for representation and recognition of 3-D polyhedral objects, *IJCV* **18**, 1996, 211–232.
1816. R. Basri, Recognition by prototypes, *IJCV* **19**, 1996, 147–167.
1817. A. Sugimoto, Object recognition by combining paraperspective images, *IJCV* **19**, 1996, 181–201.
1818. P. Havaladar, G. Medioni, and F. Stein, Perceptual grouping for generic recognition, *IJCV* **20**, 1996, 59–80.
1819. K.M. Dawson-Howe and D. Vernon, 3-D object recognition through implicit model matching, *IJPRAI* **9**, 1995, 959–990.
1820. Y. Lucas, T. Pedarce, and A. Jutard, Spatial contours for vision and CAD model matching, *IVC* **14**, 1996, 147–157.
1821. S. Das, B. Bhanu, and C.C. Ho, Generic object recognition using multiple representations, *IVC* **14**, 1996, 323–338.
1822. L. Stark, K. Bowyer, A. Hoover, and D. Goldgof, Recognizing object function through reasoning about partial shape descriptions and dynamic physical properties, *P-IEEE* **84**, 1996, 1638–1656.
1823. R. Horaud and H. Sossa, Polyhedral object recognition by indexing, *PR* **28**, 1995, 1855–1870.
1824. Y. Tan and H. Freeman, The surface-attribute problem—An “active-vision” approach to 3-D object characterization, *PR* **29**, 1996, 549–563.
1825. J.M. Corridoni, A. Del Bimbo, and L. Landi, 3D object classification using multi-object Kohonen networks, *PR* **29**, 1996, 919–935.
1826. T. Arbel, P. Whaite, and F.P. Ferrie, Parametric shape recognition using a probabilistic inverse theory, *PRL* **17**, 1996, 491–501.
1827. P.T. Fairney and D.P. Fairney, 3-D object recognition and orientation from single noisy 2-D images, *PRL* **17**, 1996, 785–793.
1828. Z. Liu, Viewpoint dependency in object representation and recognition, *SV* **9**, 1996, 491–521.
1829. A. Khotanzad and J.J.H. Liou, Recognition and pose estimation of unoccluded three-dimensional objects from a two-dimensional perspective view by banks of neural networks, *T-NN* **7**, 1996, 897–906.
1830. D.W. Jacobs, The space requirements of indexing under perspective projections, *T-PAMI* **18**, 1996, 330–333.
1831. R. Basri and D. Weinshall, Distance metric between 3D models and 2D images for recognition and classification, *T-PAMI* **18**, 1996, 465–470.
1832. J. Subrahmonia, D.B. Cooper, and D. Keren, Practical reliable Bayesian recognition of 2D and 3D objects using implicit polynomials and algebraic invariants, *T-PAMI* **18**, 1996, 505–519.

1833. R. Talluri and J.K. Aggarwal, Mobile robot self-location using model-image feature correspondence, *T-RA* 12, 1996, 63-77.
1834. S.K. Nayar, S.A. Nene, and H. Murase, Real-time 100 object recognition system, IUW, 1223-1227.
1835. R.C. Nelson, Memory-based recognition for 3-D objects, IUW, 1305-1310.
1836. W.B. Mann and T.O. Binford, SUCCESSOR: Interpretation overview and constraint system, IUW, 1505-1518.
1837. B. Lamiroy and P. Gros, Rapid object indexing and recognition using enhanced geometric hashing, *ECCV A*, 59-70.
1838. T.A. Cass, Robust affine structure matching for 3D object recognition, *ECCV A*, 492-503.
1839. T.F. Cootes and C.J. Taylor, Locating objects of varying shape using statistical feature detectors, *ECCV B*, 465-474.
1840. D.P. Huttenlocher and L.M. Lorigo, Recognizing three-dimensional objects by comparing two-dimensional images, *CVPR*, 878-884.
1841. C.F. Olson, Connectionist networks for feature indexing and object recognition, *CVPR*, 907-912.
1842. J.L. Chen and G.C. Stockman, Indexing to 3D model aspects using 2D contour features, *CVPR*, 913-920.
1843. G.A.W. West, Assessing feature importance for verification and pose refinement, *ICPR A*, 30-34.
1844. P. Wunsch and G. Hirzinger, Registration of CAD-models to images by iterative inverse perspective matching, *ICPR A*, 78-83.
1845. A. Ude and T. Ekre, Stereo grouping for model-based recognition, *ICPR A*, 223-227.
1846. B.P. Modayur and L.G. Shapiro, 3D matching using statistically significant groupings, *ICPR A*, 238-242.
1847. G. Bellaire and K. Schlüns, 3-D object recognition by matching the total view information, *ICPR A*, 534-538.
1848. B. Krebs, P. Sieverding, and B. Korn, A fuzzy ICP algorithm for 3D free-form object recognition, *ICPR A*, 539-543.
1849. C.S. Chen, Y.P. Hung, and J.L. Wu, Model-based object recognition using range images by combining morphological feature extraction and geometric hashing, *ICPR A*, 565-569.
1850. B.W. Mel, SEEMORE: A view-based approach to 3-D object recognition using multiple visual cues, *ICPR A*, 570-574.
1851. S. Lanser and C. Zierl, On the use of topological constraints within object recognition tasks, *ICPR A*, 580-584.
1852. I. Shimshoni, A fast method for estimating the uncertainty in the location of image points in 3D recognition, *ICPR A*, 590-594.

1853. A.A.Y. Mustafa, L.G. Shapiro, and M.A. Ganter, 3D object recognition from color intensity images, ICPR A, 627-631.
1854. J. Ben-Arie, Z. Wang, and R. Rao, Iconic recognition with affine-invariant spectral signatures, ICPR A, 672-676.
1855. A. Verri and C. Uras, Aspect-based object recognition with size functions, ICPR A, 682-686.
1856. K. Ohba and K. Ikeuchi, Recognition of (the) multi-specularity objects using the eigen-window, ICPR A, 692-696.
1857. C. Dorai and A.K. Jain, Recognition of 3D free-form objects, ICPR A, 697-701.
1858. B. Schiele and J.L. Crowley, Probabilistic object recognition using multidimensional receptive field histograms, ICPR B, 50-54.
1859. J. Dunker, G. Hartmann, and M. Stöhr, Single view recognition and pose estimation of 3D objects using sets of prototypical views and spatially tolerant contour representations, ICPR D, 14-18.
1860. H. Umeki and H. Mizutani, Dynamic link matching for multiple object recognition, ICPR D, 65-69.
1861. G. Heidemann and H. Ritter, A neural 3-D object recognition architecture using optimized Gabor filters, ICPR D, 70-74.
1862. K. Pulli and L.G. Shapiro, Triplet-based object recognition using synthetic and real probability models, ICPR D, 75-79.
1863. H. Zha, H. Nanamegi, and T. Nagata, 3-D object recognition from range images by using a model-based Hopfield-style matching algorithm, ICPR D, 111-116.
1864. H. Matsuo, J. Funabashi, and A. Iwata, 3-D object recognition using adaptive scale MEGI, ICPR D, 117-122.
1865. M. Westling and L.S. Davis, Object recognition by fast hypothesis generation and reasoning about object interactions, ICPR D, 148-153.
1866. W. Burger, M. Burge, and W. Mayr, Learning to recognize generic visual categories using a hybrid structural approach, ICIP B, 321-324.
1867. R. Jaitly and D.A. Fraser, Automated 3D object recognition and dynamic library entry/update system, ICIP B, 325-328.
1868. H. van Dijck, M. Korsten, and F. van der Heijden, Robust 3-dimensional object recognition using stereo vision and geometric hashing, ICIP B, 329-332.
1869. S. Kaveti, E.K. Teoh, and H. Wang, Robust representation and recognition of free-form objects, ICIP C, 587-590.

J.3. Other topics

1870. D. Oberkampf, D.F. DeMenthon, and L.S. Davis, Iterative pose estimation using coplanar feature points, *CVIU* **63**, 1996, 495-511.
1871. Y. Hel-Or and M. Werman, Constraint fusion for recognition and localization of articulated objects, *IJCV* **19**, 1996, 5-28.

1872. C.N. Lee and R.M. Haralick, Statistical estimation for exterior orientation from line-to-line correspondences, *IVC* **14**, 1996, 379–388.
1873. J.E. Byun and T. Nagata, Determining the 3-D pose of a flexible object by stereo matching of curvature representations, *PR* **29**, 1996, 1297–1307.
1874. R. Mukundan and K.R. Ramakrishnan, An iterative solution for object pose parameters using image moments, *PRL* **17**, 1996, 1279–1284.
1875. N. Ezquerro and R. Mullick, An approach to 3D pose determination, *TOG* **15**, 1996, 99–120.
1876. J.L. Chen and G.C. Stockman, Determining pose of 3D objects with curved surfaces, *T-PAMI* **18**, 1996, 52–57.
1877. M. Zerroug and R. Nevatia, Pose estimation of multi-part curved objects, *IUW*, 831–836.
1878. A. Hoogs, Pose refinement using a parameter hierarchy, *IUW*, 857–864.
1879. C.B. Madsen, Viewpoint variation in the noise sensitivity of pose estimation, *CVPR*, 41–46.
1880. J. Krumm, Eigenfeatures for planar pose measurement of partially occluded objects, *CVPR*, 55–60.
1881. Y. Nomura, D. Zhang, Y. Sakaida, and S. Fujii, 3-D object pose estimation by shading and edge data fusion—Simulating virtual manipulation on mental images, *CVPR*, 866–871.
1882. P.D. Lauren and N. Nandhakumar, Recovering the viewing parameters of random, translated and noisy projections of asymmetric objects, *CVPR*, 885–890.
1883. L. Li and S.D. Ma, 3D pose estimation from an n -degree planar curved feature in two perspective views, *ICPR A*, 374–377.
1884. Y. Nomura, D. Zhang, Y. Sakaida, and S. Fujii, 3-D object pose estimation based on iterative image matching: Shading and edge data fusion, *ICPR A*, 513–517.
1885. T. Amano, S. Hiura, A. Yamaguti, and S. Inokuchi, Eigen space approach for a pose detection with range images, *ICPR A*, 622–626.
1886. S. Petitjean, The enumerative geometry of projective algebraic surfaces and the complexity of aspect graphs, *IJCV* **19**, 1996, 261–287.
1887. S. Chen and H. Freeman, Characteristic view modeling of curved-surface solids, *IJPRAI* **10**, 1996, 537–560.
1888. A. Laurentini, Comments on “Efficiently computing and representing aspect graphs of polyhedral objects”, *T-PAMI* **18**, 1996, 57–58.
1889. K. Tarabanis, R.Y. Tsai, and A. Kaul, Computing occlusion-free viewpoints, *T-PAMI* **18**, 1996, 279–292.
1890. Y. Zhu, L.D. Seneviratne, and S.W.E. Earles, New algorithm for calculating an invariant of 3D point sets from a single view, *IVC* **14**, 1996, 179–188.
1891. P.K. Saha and B.B. Chaudhuri, A new approach to computing the Euler characteristic, *PR* **28**, 1995, 1955–1963.

1892. M.F. Wu and H.T. Sheu, 3D invariant estimation of axisymmetric objects using Fourier descriptors, *PR* **29**, 1996, 267–280.
1893. X. Jiang, K. Yu, and H. Bunke, Detection of rotational and involutorial symmetries and congruity of polyhedra, *VC* **12**, 1996, 193–201.
1894. C. Rothwell and J. Stern, Understanding the shape properties of trihedral polyhedra, *ECCV A*, 175–185.
1895. M. Zribi, H. Fonga, and F. Ghorbel, Set of invariant features for three-dimensional gray-level objects by harmonic analysis, *ICPR A*, 549–553.
1896. R. Basri, Paraperspective \equiv affine, *IJCV* **19**, 1996, 169–179.
1897. A. Imiya, A metric for spatial lines, *PRL* **17**, 1996, 1265–1269.
1898. S. Laveau and O. Faugeras, Oriented projective geometry for computer vision, *ECCV A*, 147–156.
1899. A. Shashua and S. Avidan, The rank 4 constraint in multiple (≥ 3) view geometry, *ECCV B*, 196–206.
1900. D. Weinshall, M. Werman, and A. Shashua, Duality of multi-point and multi-frame geometry: Fundamental shape matrices and tensors, *ECCV B*, 217–227.
1901. L. Latecki and C.M. Ma, An algorithm for a 3D simplicity test, *CVIU* **63**, 1996, 388–393.
1902. P.K. Saha and B.B. Chaudhuri, 3D digital topology under binary transformation with applications, *CVIU* **63**, 1996, 418–429.
1903. X. Qi and X. Li, A 3D surface tracking algorithm, *CVIU* **64**, 1996, 147–156.
1904. G. Borgefors, On digital distance transforms in three dimensions, *CVIU* **64**, 1996, 368–376.
1905. C.M. Ma and M. Sonka, A fully parallel 3D thinning algorithm and its applications, *CVIU* **64**, 1996, 420–433.
1906. R. Klette, I. Stojmenovic, and J. Zunic, A parametrization of digital planes by least squares fits and generalizations, *GMIP* **58**, 1996, 295–300.
1907. C.M. Ma, Connectivity preservation of 3D 6-subiteration thinning algorithms, *GMIP* **58**, 1996, 382–386.
1908. J.P. Thirion and A. Gourdon, The 3D marching lines algorithm, *GMIP* **58**, 1996, 503–509.
1909. M. Sakamoto and K. Inoue, Three-dimensional alternating Turing machines with only universal states, *IS* **95**, 1996, 155–190.
1910. G. Bertrand, A Boolean characterization of three-dimensional simple points, *PRL* **17**, 1996, 115–124.
1911. R.W. Hall and C.Y. Hu, Time-efficient computation of 3D topological functions, *PRL* **17**, 1996, 1017–1033.
1912. R. Malgouyres, There is no local characterization of separating and thin objects in \mathbb{Z}^3 , *TCS* **163**, 1996, 303–308.

K. Motion

K.1. Flow; egomotion

- 1913. A. Rosenfeld, guest ed., (Special Issue on Image Stabilization), *RTI* 2(5), October 1996, 269–327.
- 1914. M.J. Black and P. Anandan, The robust estimation of multiple motions: Parametric and piecewise-smooth flow fields, *CVIU* 63, 1996, 75–104.
- 1915. S. Negahdaripour, Direct computation of the FOE with confidence measures, *CVIU* 64, 1996, 323–350.
- 1916. C. Chaudhuri, S. Sharma, and S. Chatterjee, Recursive estimation of motion parameters, *CVIU* 64, 1996, 434–442.
- 1917. V. Sundareswaran, P. Bouthemy, and F. Chaumette, Exploiting image motion for active vision in a visual servoing framework, *IJRR* 15, 1996, 629–645.
- 1918. P.G. Sim and R.H. Park, Anisotropic hierarchical motion estimation method based on decomposition of the functional domain, *JVCIR* 7, 1996, 259–272.
- 1919. F. Valentinotti, G. Di Caro, and B. Crespi, Real-time parallel computation of disparity and optical flow using phase difference, *MVA* 9, 1996, 87–96.
- 1920. R. Sarpeshkar, J. Kramer, G. Indiveri, and C. Koch, Analog VLSI architectures for motion processing: From fundamental limits to system applications, *P-IEEE* 84, 1996, 969–987.
- 1921. Z. Duric and A. Rosenfeld, Image sequence stabilization in real time, *RTI* 2, 1996, 271–284.
- 1922. C. Morimoto and R. Chellappa, Fast electronic digital image stabilization for off-road navigation, *RTI* 2, 1996, 285–296.
- 1923. S.B. Balakirsky and R. Chellappa, Performance characterization of image stabilization algorithms, *RTI* 2, 1996, 297–313.
- 1924. A. Kumar, A.R. Tannenbaum, and G.J. Balas, Optical flow: A curve evolution approach, *T-IP* 5, 1996, 598–610.
- 1925. A. Del Bimbo, P. Nesi, and J.L.C. Sanz, Optical flow computation using extended constraints, *T-IP* 5, 1996, 720–739.
- 1926. W. Chen, G.B. Giannakis, and N. Nandhakumar, Spatiotemporal approach for time-varying global image motion estimation, *T-IP* 5, 1996, 1448–1461.
- 1927. J. Ostuni and S. Dunn, Motion from three weak perspective images using image rotation, *T-PAMI* 18, 1996, 64–69.
- 1928. S. Ghosal and P. Vanek, A fast scalable algorithm for discontinuous optical flow estimation, *T-PAMI* 18, 1996, 181–194.
- 1929. C.M. Fan, N.M. Namazi, and P.B. Penafiel, A new image motion estimation algorithm based on the EM technique, *T-PAMI* 18, 1996, 348–352.
- 1930. W.G. Chen, N. Nandhakumar, and W.N. Martin, Image motion estimation from motion smear—A new computational model, *T-PAMI* 18, 1996, 412–425.

1931. A.M. Earnshaw and S.D. Blostein, Performance of camera translation direction estimators from optical flow: Analysis, comparison, and theoretical limits, *T-PAMI* **18**, 1996, 927-932.
1932. M.J. Black and A.D. Jepson, Estimating optical flow in segmented images using variable-order parametric models with local deformations, *T-PAMI* **18**, 1996, 972-986.
1933. R. Szeliski and H.Y. Shum, Motion estimation with quadtree splines, *T-PAMI* **18**, 1996, 1199-1210.
1934. M. Tistarelli, Multiple constraints to compute optical flow, *T-PAMI* **18**, 1996, 1243-1250.
1935. B. Rousso, S. Avidan, A. Shashua, and S. Peleg, Robust recovery of camera rotation from three frames, *IUW*, 851-856.
1936. C. Fermüller and Y. Aloimonos, Towards a theory of direct perception, *IUW*, 1287-1295.
1937. K. Åström, R. Cipolla, and P.J. Giblin, Generalised epipolar constraints, *ECCV B*, 97-108.
1938. T. Brodsky, C. Fermüller, and Y. Aloimonos, Directions of motion fields are hardly ever ambiguous, *ECCV B*, 119-128.
1939. I. Cohen and I. Herlin, Optical flow and phase portrait methods for environmental satellite image sequences, *ECCV B*, 141-150.
1940. A. Giachetti and V. Torre, Refinement of optical flow estimation and detection of motion edges, *ECCV B*, 151-160.
1941. J.M. Lawn and R. Cipolla, Reliable extraction of the camera motion using constraints on the epipole, *ECCV B*, 161-173.
1942. H. Liu, T.H. Hong, M. Herman, and R. Chellappa, Accuracy vs. efficiency trade-offs in optical flow algorithms, *ECCV B*, 174-183.
1943. S.X. Ju, M.J. Black, and A.D. Jepson, Skin and bones: Multi-layer, locally affine, optical flow and regularization with transparency, *CVPR*, 307-314.
1944. T.Y. Tian, C. Tomasi, and D.J. Heeger, Comparison of approaches to egomotion computation, *CVPR*, 315-320.
1945. B. Rousso, S. Avidan, A. Shashua, and S. Peleg, Robust recovery of camera rotation from three frames, *CVPR*, 796-802.
1946. I. Patras, N. Alvertos, and G. Tziritas, Joint disparity and motion field estimation in stereoscopic image sequences, *ICPR A*, 359-363.
1947. J.M. Orwell, J.F. Boyce, and J.F. Haddon, Ego motion from near-degenerate sequences, *ICPR A*, 412-416.
1948. J. Gonzalez, Recovering motion parameters from a 2D range image sequence, *ICPR A*, 433-440.
1949. M.V. Correia, A.C. Campilho, J.A. Santos, and L.B. Nunes, Optical flow techniques applied to the calibration of visual perception experiments, *ICPR A*, 498-502.
1950. C. Silva and J. Santos-Victor, Direct egomotion estimation, *ICPR A*, 702-706.

1951. S. Roy and I.J. Cox, Motion without structure, ICPR A, 728-734.
1952. S.M. Benoit and F.P. Ferrie, Monocular optical flow for real-time vision systems, ICPR A, 864-868.
1953. E. Memin and P. Pérez, Robust discontinuity-preserving model for estimating optical flow, ICPR A, 920-924.
1954. Y. Yagi, W. Nishii, K. Yamazawa, and M. Yachida, Rolling motion estimation for mobile robot by using omnidirectional image sensor HyperOmniVision, ICPR A, 946-950.
1955. C. Morimoto and R. Chellappa, Fast electronic digital image stabilization, ICPR C, 284-288.
1956. Y.S. Yao and R. Chellappa, Selective stabilization of images acquired by unmanned ground vehicles, ICPR C, 289-292.
1957. S. Krüger and A.D. Calway, A multiresolution frequency domain method for estimating affine motion parameters, ICIP A, 113-116.
1958. Y.P. Tan, S.R. Kulkarni, and P.J. Ramadge, Extracting good features for motion estimation, ICIP A, 117-120.
1959. M. Kardouchi, A. Dipanda, F. Marzani, and L. Legrand, A convex approximation of regularization models for motion estimation with Markov random fields, ICIP A, 121-124.
1960. F. Guichard and L. Rudin, Accurate estimation of discontinuous optical flow by minimizing divergence related functionals, ICIP A, 497-500.
1961. X. Papademetris and P.N. Belhumeur, Estimation of motion boundary location and optical flow using dynamic programming, ICIP A, 509-512.
1962. A. Bab-Hadiashar and D. Suter, Robust optic flow estimation using least median of squares, ICIP A, 513-516.
1963. J.C. Brailean and A.K. Katsaggelos, Recursive MAP displacement field estimation and its applications, ICIP A, 917-920.
1964. S.N. Gupta and J.L. Prince, On div-curl regularization for motion estimation in 3D volumetric imaging, ICIP A, 929-932.
1965. S. Balakirsky and R. Chellappa, Performance characterization of image stabilization algorithms, ICIP B, 413-416.
1966. D.L. Tull and A.K. Katsaggelos, Regularized blur-assisted displacement field estimation, ICIP C, 85-88.
1967. I.M. Rekleitis, Optical flow recognition from the power spectrum of a single blurred image, ICIP C, 791-794.
1968. K.I. Diamantaras and M.G. Strintzis, Camera motion parameter recovery under perspective projection, ICIP C, 807-810.
1969. J.M. Menendez, N. Garcia, L. Salgado, and E. Rendon, An algorithm for FOE localization, ICIP C, 811-814.

K.2. Structure from motion

- 1970. L.S. Shapiro, *Affine Analysis of Image Sequences*, Cambridge University Press, Cambridge, UK, 1995.
- 1971. D.W. Murray and L.S. Shapiro, Dynamic updating of planar structure and motion: The case of constant motion, *CVIU* **63**, 1996, 169–181.
- 1972. T. Vieville and O.D. Faugeras, The first order expansion of motion equations in the uncalibrated case, *CVIU* **64**, 1996, 128–146.
- 1973. T. Vieville, O. Faugeras, and Q.T. Luong, Motion of points and lines in the uncalibrated case, *IJCV* **17**, 1996, 7–41.
- 1974. D. Sinclair and A. Blake, Quantitative planar region detection, *IJCV* **18**, 1996, 77–91.
- 1975. T. Vieville, C. Zeller, and L. Robert, Using collineations to compute motion and structure, *IJCV* **20**, 1996, 213–242.
- 1976. J. Heikkilä and O. Silvén, Accurate 3-D measurement using a single video camera, *IJPRAI* **10**, 1996, 139–149.
- 1977. R.J. Holt and A.N. Netravali, Uniqueness of solutions to structure and motion from combinations of point and line correspondences, *JVCIR* **7**, 1996, 126–136.
- 1978. J. Santos-Victor and G. Sandini, Uncalibrated obstacle detection using normal flow, *MVA* **9**, 1996, 130–137.
- 1979. A.Y.K. Ho and T.C. Pong, Cooperative fusion of stereo and motion, *PR* **29**, 1996, 121–130.
- 1980. J.L. Barron and R. Eagleson, Recursive estimation of time-varying motion and structure parameters, *PR* **29**, 1996, 797–818.
- 1981. P. Burlina and R. Chellappa, Analyzing looming motion components from their spatiotemporal spectral signature, *T-PAMI* **18**, 1996, 1029–1033.
- 1982. S. Christy and R. Horaud, Euclidean shape and motion from multiple perspective views by affine iterations, *T-PAMI* **18**, 1996, 1098–1104.
- 1983. M.S. Lee and G. Medioni, Structure and motion from a sparse set of views, *IUW*, 1051–1056.
- 1984. M. Pollefeys, L. Van Gool, and M. Proesmans, Euclidean 3D reconstruction from image sequences with variable focal lengths, *ECCV A*, 31–42.
- 1985. K. Kanatani, Automatic singularity test for motion analysis by an information criterion, *ECCV A*, 697–708.
- 1986. R. Szeliski and S.B. Kang, Shape ambiguities in structure from motion, *ECCV A*, 709–721.
- 1987. S. Christy and R. Horaud, Euclidean reconstruction: From paraperspective to perspective, *ECCV B*, 129–140.
- 1988. J. Oliensis, Rigorous bounds for two-frame structure from motion, *ECCV B*, 184–195.
- 1989. T. Vieville and D. Lingrand, Using singular displacements for uncalibrated monocular visual systems, *ECCV B*, 207–216.

1990. C. Wiles and M. Brady, On the appropriateness of camera models, ECCV B, 228–237.
1991. C. Wiles and M. Brady, Ground plane motion camera models, ECCV B, 238–247.
1992. A. Heyden and K. Åström, Algebraic varieties in multiple view geometry, ECCV B, 671–682.
1993. P. Beardsley, P. Torr, and A. Zisserman, 3D model acquisition from extended image sequences, ECCV B, 683–695.
1994. T. Papadopoulo and O. Faugeras, Computing structure and motion of general 3D curves from monocular sequences of perspective images, ECCV B, 696–708.
1995. P. Sturm and B. Triggs, A factorization based algorithm for multi-image projective structure and motion, ECCV B, 709–720.
1996. X. Wang, Y.Q. Cheng, R.T. Collins, and A.R. Hanson, Determining correspondences and rigid motion of 3-D point sets with missing data, CVPR, 252–257.
1997. H. Schweitzer and R. Krishnan, Structure from multiple 2D affine correspondences without camera calibration, CVPR, 258–263.
1998. B. Vijayakumar, D.J. Kriegman, and J. Ponce, Structure and motion of curved 3D objects from monocular silhouettes, CVPR, 327–334.
1999. J. Oliensis, Structure from linear or planar motions, CVPR, 335–342.
2000. S. Sull and B. Sridhar, Runway obstacle detection by controlled spatiotemporal image flow disparity, CVPR, 385–390.
2001. S.R. Kundur and D. Raviv, Novel active-vision-based visual-threat-cue for autonomous navigation tasks, CVPR, 606–612.
2002. Z. Myles and N. da Vitoria Lobo, Recovering affine motion and defocus blur simultaneously, CVPR, 756–763.
2003. L. Quan and T. Kanade, A factorization method for affine structure from line correspondences, CVPR, 803–808.
2004. S. Soatto and P. Perona, Reducing “structure from motion”, CVPR, 825–832.
2005. K. Åström and A. Heyden, Multilinear constraints in the infinitesimal case, CVPR, 833–838.
2006. B. Triggs, Factorization methods for projective structure and motion, CVPR, 845–851.
2007. G. Sparr, Simultaneous reconstruction of scene structure and camera locations from uncalibrated image sequences, ICPR A, 328–333.
2008. E. Bayro-Corrochano, J. Lasenby, and G. Sommer, Geometric algebra: A framework for computing point and line correspondences and projective structure using n uncalibrated cameras, ICPR A, 334–338.
2009. A. Heyden and K. Åström, Euclidean reconstruction from constant intrinsic parameters, ICPR A, 339–343.
2010. C.W. Shin and K.I. Kim, 3-D measurement strategy based on a projection invariance motion analysis with an artificial retina sensor, ICPR A, 369–373.

2011. H. Liu, T.H. Hong, M. Herman, and R. Chellappa, Image gradient evolution—A visual cue for collision avoidance, *ICPR A*, 446–450.
2012. H. Yu, Q. Chen, G. Xu, and M. Yachida, 3D shape and motion by SVD under higher-order approximation of perspective projection, *ICPR A*, 456–460.
2013. V. Rebuffel and J.L. Suñe, Estimation of depth-from-motion combining iterative prediction scheme and regularization framework, *ICPR A*, 466–470.
2014. Y. Seo and K.S. Hong, Sequential reconstruction of lines in projective space, *ICPR A*, 503–507.
2015. D. Lingrand and T. Vieville, Dynamic foveal 3D sensing using affine models, *ICPR A*, 810–814.
2016. E. Steinbach, A. Hanjalic, and B. Girod, 3D motion and scene structure estimation with motion dependent distortions of measurement windows, *ICIP A*, 61–64.
2017. F. Pedersini, A. Sarti, and S. Tubaro, 3D motion estimation of a trinocular system for a full-3D object reconstruction, *ICIP B*, 867–870.
2018. Y. Sun and M.M. Bayouni, A simple feedforward neural network architecture for three-dimensional motion and structure estimation, *ICIP C*, 783–786.

K.3. Dynamic scenes

2019. W. Wang and J.H. Duncan, Recovering the three-dimensional motion and structure of multiple moving objects from binocular image flows, *CVIU* **63**, 1996, 430–446.
2020. N. da Vitoria Lobo and J.K. Tsotsos, Computing egomotion and detecting independent motion from image motion using collinear points, *CVIU* **64**, 1996, 21–52.
2021. A. Mitiche and P. Bouthemy, Computation and analysis of image motion: A synopsis of current problems and methods, *IJCV* **19**, 1996, 29–55.
2022. N. Johnson and D. Hogg, Learning the distribution of object trajectories for event recognition, *IVC* **14**, 1996, 609–615.
2023. T.Y. Tian and M. Shah, Motion estimation and segmentation, *MVA* **9**, 1996, 32–42.
2024. W.G. Chen and N. Nandhakumar, A simple scheme for motion boundary detection, *PR* **29**, 1996, 1689–1701.
2025. J. Fan, R. Wang, L. Zhang, and F. Gan, Image sequence segmentation based on 2D temporal entropic thresholding, *PRL* **17**, 1996, 1101–1107.
2026. S. Szabo, D. Coombs, M. Herman, T. Camus, and H. Liu, A real-time computer vision platform for mobile robot applications, *RTI* **2**, 1996, 315–327.
2027. H. Gu, Y. Shirai, and M. Asada, MDL-based segmentation and motion modeling in a long image sequence of scene with multiple independently moving objects, *T-PAMI* **18**, 1996, 58–64.
2028. Z. Duric, J.A. Fayman, and E. Rivlin, Function from motion, *T-PAMI* **18**, 1996, 579–591.
2029. H.S. Sawhney and S. Ayer, Compact representations of videos through dominant and multiple motion estimation, *T-PAMI* **18**, 1996, 814–830.

2030. R. Sharma and Y. Aloimonos, Early detection of independent motion from active control of normal image flow patterns, *T-SMC B26*, 1996, 42-52.
2031. M. Irani and P. Anandan, A unified approach to moving object detection in 2D and 3D scenes, *IUW*, 707-718.
2032. J. Costeira and T. Kanade, A multi-body factorization method for motion analysis, *IUW*, 1013-1025.
2033. Z. Duric, E. Rivlin, and A. Rosenfeld, Learning an object's function by observing the object in action, *IUW*, 1437-1445.
2034. M. Irani and P. Anandan, Parallax geometry of pairs of points for 3D scene analysis, *ECCV A*, 17-30.
2035. D. Vernon, Segmentation in dynamic image sequences by isolation of coherent wave profiles, *ECCV A*, 293-303.
2036. R. Howarth and H. Buxton, Visual surveillance monitoring and watching, *ECCV B*, 321-334.
2037. J.M. Siskind and Q. Morris, A maximum-likelihood approach to visual event classification, *ECCV B*, 347-360.
2038. J.H. Fernyhough, A.G. Cohn, and D.C. Hogg, Generation of semantic regions from image sequences, *ECCV B*, 475-484.
2039. R. Mann, A.D. Jepson, and J.M. Siskind, Computational perception of scene dynamics, *ECCV B*, 528-539.
2040. Y. Weiss and E.H. Adelson, A unified mixture framework for motion segmentation: Incorporating spatial coherence and estimating the number of models, *CVPR*, 321-326.
2041. G. Xu and S. Tsuji, Correspondence and segmentation of multiple rigid motions via epipolar geometry, *ICPR A*, 213-217.
2042. C. Hennebert, V. Rebuffel, and P. Bouthemy, A hierarchical approach for scene segmentation based on 2D motion, *ICPR A*, 218-222.
2043. H.M. Yip and T.C. Pong, Detection of moving object in a spatiotemporal representation, *ICPR A*, 483-487.
2044. M. Watanabe, N. Takeda, and K. Onoguchi, A moving object recognition method by optical flow analysis, *ICPR A*, 528-533.
2045. M. Irani and P. Anandan, A unified approach to moving object detection in 2D and 3D scenes, *ICPR A*, 712-717.
2046. T. Matsui, A new mathematical human vision model with an autonomous image observing mechanism and its application to multiple motion detection, *ICPR A*, 723-727.
2047. S.M. Smith, Integrated real-time motion segmentation and 3D interpretation, *ICPR C*, 49-55.
2048. M.M. Yeung and B.L. Yeo, Time-constrained clustering for segmentation of video into story units, *ICPR C*, 375-380.
2049. M. Hütter, R. Mester, and M. Meyer, Detection of moving objects using a robust displacement estimation including a statistical error analysis, *ICPR D*, 249-255.

2050. B. Michaelis, O. Schnelting, U. Seiffert, and R. Mecke, Adaptive filtering of distorted displacement vector fields using artificial neural networks, ICPR D, 335–339.
2051. B. Duc, P. Schroeter, and J. Bigün, Motion segmentation by fuzzy clustering with automatic determination of the number of motions, ICPR D, 376–380.
2052. P.M.Q. Aguiar and J.M.F. Moura, Incremental motion segmentation in low texture, ICIP A, 233–236.
2053. C.K. Cheong and K. Aizawa, Structural motion segmentation based on probabilistic clustering, ICIP A, 505–508.
2054. J. Denzler, V. Schless, D. Paulus, and H. Niemann, Statistical approach to classification of flow patterns for motion detection, ICIP A, 517–520.
2055. A. Makarov, Comparison of background extraction based intrusion detection algorithms, ICIP A, 521–524.
2056. N. Paragios, P. Pérez, G. Tziritas, C. Labit, and P. Bouthemy, Adaptive detection of moving objects using multiscale techniques, ICIP A, 525–528.
2057. P. Bouthemy and F. Ganansia, Video partitioning and camera motion characterization for content-based video indexing, ICIP A, 905–908.
2058. J. Konrad and V.N. Dang, Coding-oriented video segmentation inspired by MRF models, ICIP A, 909–912.
2059. C. Stiller, Object-based motion computation, ICIP A, 913–916.
2060. F. Pedersini, A. Sarti, and S. Tubaro, Combined motion and edge analysis for a layer-based representation of image sequences, ICIP A, 921–924.
2061. C. Kervrann and F. Heitz, Statistical model-based segmentation of deformable motion, ICIP A, 937–940.
2062. M. Schutz and T. Ebrahimi, Matching error based criterion of region merging for joint motion estimation and segmentation techniques, ICIP B, 509–512.
2063. Y.K. Chen, Y.T. Lin, and S.Y. Kung, A feature tracking algorithm using neighborhood relaxation with multi-candidate pre-screening, ICIP B, 513–516.
2064. E. Chalom and V.M. Bove Jr., Segmentation of an image sequence using multi-dimensional image attributes, ICIP B, 525–528.
2065. A. Nagai, Y. Kuno, and Y. Shirai, Surveillance system based on spatio-temporal information, ICIP B, 593–596.
2066. H. Buxton and R. Howarth, Watching behaviour: The role of context and learning, ICIP B, 797–800.
2067. N. Chleq and M. Thonnat, Realtime image sequence interpretation for video-surveillance applications, ICIP B, 801–804.
2068. R. Lagendijk, A. Hanjalic, M. Ceccarelli, M. Soletic, and E. Persoon, Visual search in a SMASH system, ICIP C, 671–674.
2069. M. Bogaert, N. Chleq, P. Cornez, C.S. Regazzoni, A. Teschioni, and M. Thonnat, The PASSWORDS project, ICIP C, 675–678.

- 2070. R. Beare and A. Bouzerdoun, Evaluation of biologically inspired motion detection systems as a basis for local motion processing systems, *ICIP C*, 819–822.
- 2071. E. Ardizzone and M. La Cascia, Video indexing using optical flow field, *ICIP C*, 831–834.
- 2072. Y. Ariki and Y. Saito, Extraction of TV news articles based on scene cut detection using DCT clustering, *ICIP C*, 847–850.

K.4. Tracking, etc.

- 2073. M. Demi, Contour tracking by enhancing corners and junctions, *CVIU* **63**, 1996, 118–134.
- 2074. B. Sabata and J.K. Aggarwal, Surface correspondence and motion computation from a pair of range images, *CVIU* **63**, 1996, 232–250.
- 2075. C. Toklu, A.T. Erdem, M.I. Sezan, and A.M. Tekalp, Tracking motion and intensity variations using hierarchical 2-D mesh modeling for synthetic object transfiguration, *GMIP* **58**, 1996, 553–573.
- 2076. I.D. Reid and D.W. Murray, Active tracking of foveated feature clusters using affine structure, *IJCV* **18**, 1996, 41–60.
- 2077. A. Giachetti and V. Torre, The use of optical flow for the analysis of non-rigid motions, *IJCV* **18**, 1996, 255–279.
- 2078. A. Gee and R. Cipolla, Fast visual tracking by temporal consensus, *IVC* **14**, 1996, 105–114.
- 2079. P. Nordlund and T. Uhlin, Closing the loop: Detection and pursuit of a moving object by a moving observer, *IVC* **14**, 1996, 265–275.
- 2080. J.W. Yi and J.H. Oh, Estimation of depth and 3D motion parameter[s] of moving object with multiple stereo images, *IVC* **14**, 1996, 501–516.
- 2081. S. Rowe and A. Blake, Statistical mosaics for tracking, *IVC* **14**, 1996, 549–564.
- 2082. J.C. Clarke and A. Zisserman, Detection and tracking of independent motion, *IVC* **14**, 1996, 565–572.
- 2083. A.M. Bruckstein, R.J. Holt, and A.N. Netravali, How to track a flying saucer, *JVCIR* **7**, 1996, 196–204.
- 2084. Y.L. Tang and R. Kasturi, Tracking moving objects during low altitude flight, *MVA* **9**, 1996, 20–31.
- 2085. I. Karafyllidis, I. Andreadis, P. Tzionas, P. Tsalides, and A. Thanailakis, A cellular automaton model for the determination of the mean velocity of moving objects and its VLSI implementation, *PR* **29**, 1996, 689–699.
- 2086. J. Brochard, L. Coutin, and M. Leard, Modelling of rigid objects by bidimensional moments. Applications to the estimation of 3D rotations, *PR* **29**, 1996, 889–902.
- 2087. H.L. Li and C. Chakrabarti, Motion estimation of two-dimensional objects based on the straight line Hough transform: A new approach, *PR* **29**, 1996, 1245–1258.
- 2088. V. Concepcion and H. Wechsler, Detection and localization of objects in time-varying imagery using attention, representation and memory pyramids, *PR* **29**, 1996, 1543–1557.

2089. I. Fermin, A. Imiya, and A. Ichikawa, Randomized polygon search for planar motion detection, *PRL* **17**, 1996, 1109–1115.
2090. J. Denzler and H. Niemann, 3D data driven prediction for active contour models based on geometric bounding volumes, *PRL* **17**, 1996, 1171–1178.
2091. I.J. Cox and S.L. Hingorani, An efficient implementation of Reid's multiple hypothesis tracking algorithm and its evaluation for the purpose of visual tracking, *T-PAMI* **18**, 1996, 138–150.
2092. J. Kramer, Compact integrated motion sensor with three-pixel interaction, *T-PAMI* **18**, 1996, 455–460.
2093. C. Nastar and N. Ayache, Frequency-based nonrigid motion analysis: Application to four dimensional medical images, *T-PAMI* **18**, 1996, 1067–1079.
2094. M. Hoch and P.C. Litwinowicz, A semi-automatic system for edge tracking with snakes, *VC* **12**, 1996, 75–83.
2095. M.M. Wloka and R.C. Zeleznik, Interactive real-time motion blur, *VC* **12**, 1996, 283–295.
2096. L.S. Davis, R. Bajcsy, M. Herman, and R. Nelson, RSTA on the move: Detection and tracking of moving objects from an autonomous mobile platform, *IUW*, 651–664.
2097. W.M. Wells III, M. Halle, R. Kikinis, and P. Viola, Alignment and tracking using graphics hardware, *IUW*, 837–842.
2098. S. Ravela, B. Draper, J. Lim, and R. Weiss, Tracking object motion across aspect changes for augmented reality, *IUW*, 1345–1352.
2099. E. Bardinnet, L. Cohen, and N. Ayache, Tracking medical 3D data with a deformable parametric model, *ECCV A*, 317–328.
2100. M.J. Black and A.D. Jepson, Eigentracking: Robust matching and tracking of articulated objects using a view-based representation, *ECCV A*, 329–342.
2101. M. Isard and A. Blake, Contour tracking by stochastic propagation of conditional density, *ECCV A*, 343–356.
2102. D. Reynard, A. Wildenberg, A. Blake, and J. Marchant, Learning dynamics of complex motions from image sequences, *ECCV A*, 357–368.
2103. L.F. Cheong, C. Fermüller, and Y. Aloimonos, Spatiotemporal representations for visual navigation, *ECCV A*, 673–684.
2104. K. Daniilidis and I. Thomas, Decoupling the 3D motion space by fixation, *ECCV A*, 685–696.
2105. A.A. Amini, R.W. Curwen, and J.C. Gore, Snakes and splines for tracking non-rigid heart motion, *ECCV B*, 251–261.
2106. S. Benayoun, D. Kharitonsky, A. Zilberman, and S. Peleg, Local quantitative measurements for cardiac motion analysis, *ECCV B*, 262–271.
2107. S. Gil, R. Milanese, and T. Pun, Combining multiple motion estimates for vehicle tracking, *ECCV B*, 307–320.
2108. H. Kollnig and H.H. Nagel, Matching object models to segments from an optical flow field, *ECCV B*, 388–399.

2109. P. Braud, J.T. Lapresté, and M. Dhome, Recognition, pose and tracking of modelled polyhedral objects by multi-ocular vision, ECCV B, 455-464.
2110. T. Frank, M. Haag, H. Kollnig, and H.H. Nagel, Tracking of occluded vehicles in traffic scenes, ECCV B, 485-494.
2111. G.D. Hager and K. Toyama, X vision: Combining image warping and geometric constraints for fast visual tracking, ECCV B, 507-517.
2112. S.J. Maybank, A.D. Worrall, and G.D. Sullivan, A filter for visual tracking based on a stochastic model for driver behaviour, ECCV B, 540-549.
2113. S. Rowe and A. Blake, Statistical feature modelling for active contours, ECCV B, 560-569.
2114. I. Reid and A. Zisserman, Goal-directed video metrology, ECCV B, 647-658.
2115. D. Sinclair and K. Zesar, Further constraints on visual articulated motions, CVPR, 94-99.
2116. K. Toyama and G.D. Hager, Incremental focus of attention for robust visual tracking, CVPR, 189-195.
2117. T. O'Donnell, T. Boulton, and A. Gupta, Global models with parametric offsets as applied to cardiac motion recovery, CVPR, 293-299.
2118. G.D. Hager and P.N. Belhumeur, Real-time tracking of image regions with changes in geometry and illumination, CVPR, 403-410.
2119. S. Kumar and D. Goldgof, Recovery of global nonrigid motion—A model based approach without point correspondences, CVPR, 594-599.
2120. G. Funka-Lea and A. Gupta, The use of hybrid models to recover cardiac wall motion in tagged MR images, CVPR, 625-630.
2121. S. Soatto and P. Perona, Motion from fixation, CVPR, 817-824.
2122. F.G. Meyer, R.T. Constable, A.J. Sinusas, and J.S. Duncan, Dense nonrigid motion tracking from a sequence of velocity fields, CVPR, 839-844.
2123. Y. Mae, Y. Shirai, J. Miura, and Y. Kuno, Object tracking in cluttered background based on optical flows and edges, ICPR A, 196-200.
2124. N. Paragios and G. Tziritas, Detection and location of moving objects using deterministic relaxation algorithms, ICPR A, 201-205.
2125. H. Araujo, J. Batista, P. Peixoto, and J. Dias, Pursuit control in a binocular active vision system using optical flow, ICPR A, 313-317.
2126. K. Nagao, Direct methods for evaluating the planarity and rigidity of a surface using only 2D views, ICPR A, 417-422.
2127. K. Hata, J. Ohya, F. Kishino, and R. Nakatsu, Automatic extraction and tracking of contours, ICPR A, 441-445.
2128. J.P. Berroir, I. Herlin, and I. Cohen, A numerical model for large deformation, ICPR A, 471-475.
2129. R. Furukawa, M. Imai, and T. Uno, Active tubes in multiscale image queue, ICPR A, 488-492.

2130. P. Gurdjos, P. Dalle, and S. Castan, Tracking 3D coplanar points in the invariant perspective coordinates plane, ICPR A, 493-497.
2131. K.F. Lai, C.W. Ngo, and S. Chan, Tracking of deformable contours by synthesis and match, ICPR A, 657-661.
2132. D. Sinclair, The Euclidean hinge constraint in articulated motions, ICPR A, 707-711.
2133. F.L. Lim, G.A.W. West, and S. Venkatesh, Tracking in a space variant active vision system, ICPR A, 745-749.
2134. M. Vincze, Optimal window size for visual tracking for uniform CCDs, ICPR A, 786-790.
2135. S. Hiura, A. Yamaguchi, K. Sato, and S. Inokuchi, Real-time object tracking by rotating range sensor, ICPR A, 825-829.
2136. L. Floreby, A multiscale algorithm for closed contour matching in image sequence, ICPR A, 884-888.
2137. K. Stark and S. Fuchs, A method for tracking the pose of known 3-D objects based on an active contour model, ICPR A, 905-909.
2138. N. Sawasaki, T. Morita, and T. Uchiyama, Design and implementation of high-speed visual tracking system for real-time motion analysis, ICPR C, 478-483.
2139. H.M. Yahia, I.L. Herlin, and L. Vogel, Temporal tracking of oceanographic images by implicit functions, ICPR C, 969-973.
2140. C. Kervrann, F. Heitz, and P. Pérez, Statistical model-based estimation and tracking of non-rigid motion, ICPR D, 244-248.
2141. M. Laumy, M. Dhome, and J.T. Lapresté, Segment(s) matching: Comparison between a neural approach and a classical optimization way, ICPR D, 261-265.
2142. C. Capurro, F. Panerai, and G. Sandini, Vergence and tracking fusing log-polar images, ICPR D, 740-744.
2143. V. Devlaminck and J.P. Dubus, Estimation of compressible or incompressible deformable motions for density images, ICIP A, 125-128.
2144. N. Brady and N. O'Connor, Object detection and tracking using an EM-based motion estimation and segmentation framework, ICIP A, 925-928.
2145. C. Toklu, A.M. Tekalp, A.T. Erdem, and M.I. Sezan, 2D mesh-based tracking of deformable objects with occlusion, ICIP A, 933-936.
2146. Y. Nakazawa, T. Komatsu, and T. Saito, A robust object-specified active contour model for tracking smoothly deformable line-features and its application to outdoor moving image processing, ICIP B, 689-692.
2147. Y. Sun, Tracking and detection of moving point targets in noise image sequences by local maximum likelihood, ICIP C, 799-802.
2148. J. Fayolle, C. Ducottet, T. Fournel, and J.P. Schon, Motion characterization of unrigid objects by detecting and tracking feature points, ICIP C, 803-806.

Author Index

- Abba, G. 1168
Abdel-Mottaleb, M. 624
Abe, K. 826, 1036, 1592
Abe, N. 1734, 1737
Abidi, M.A. 1629
Ablameyko, S.(V.) 245, 1048
Abrams, S. 990
Abrantes, A.J. 890
Abuhamdeh, Z.S. 561
Accame, M. 836
Acharya, R.(S.) 655, 1319, 1320
Achermann, B. 332
Acton, S.T. 839
Adams, M.D. 1620
Ade, F. 548, 850
Adelson, E.H. 2040
Aggarwal, J.K. 328, 485, 491, 753, 1655, 1833, 2074
Agrawal, R.C. 1477
Agrawala, M. 1310
Aguado, A.S. 1129, 1494, 1502
Aguiar, P.M.Q. 2052
Ahanger, G. 612
Aharoni, R. 1209
Ahmed, I. 563
Ahn, J. 480
Ahuja, N. 50, 69, 184, 899, 903, 932, 1166, 1367, 1537, 1618, 1713, 1714, 1719
Airault, S. 493
Aizawa, K. 2053
Akamatsu, N. 1114
Akamatsu, S. 301
Akerman III, A. 473
Akhtar, M.W. 1480
Akil, M. 1489, 1497
Alata, O. 946
Alberola-Lopez, C. 1385
Albrecht, P. 1602
Albrecht, R. 1
Albregtsen, F. 1071
Albright, R.E. 781
Alcolea, A. 1172
Alder, M.D. 835
Aldridge, R.V. 705
Aldroubi, A. 143, 153
Alexander, D.C. 1284
Alexander, W.E. 566
Alexandridis, N. 594
Alford, C.O. 697
Alippi, C. 461
Allebach, J.P. 190, 1247
Allen, B. 1504
Allen, J. 226
Allen, P.K. 64, 990
Alliney, S. 1398
Almeida, A.T. 768
Almeida, L.B. 844, 845
Aloimonos, Y. 49, 72, 226, 989, 1936, 1938, 2030, 2103
Alparone, L. 832
Alquier, L. 929
Altamirano-Robles, L. 1437
Alter, T.D. 918
Alvertos, N. 1946
Amamiya, M. 828
Amano, A. 769
Amano, T. 1885

Amara, M. 1165
 Amini, A.A. 2105
 Amir, A. 911
 Amit, Y. 1409
 Amoros, C. 508
 An, M.H. 1594
 Anandan, P. 468, 1563, 1914, 2031, 2034, 2045
 Anarim, E. 796
 Andraitis, A.A. 500
 Andre, D. 430
 Andreadis, A. 965
 Andreadis, I. 1245, 2085
 Andrey, P. 1369
 Angelopoulou, E. 1710
 Anger, F.D. 233
 Anh, V.(V.) 700, 954
 Anjyo, K. 292
 Ansari, R. 136
 Antoine, J.P. 1169
 Antoszczyszyn, P.M. 364
 Aoki, Y. 378, 732
 Arai, K. 292
 Arai, S. 936
 Arakawa, K. 1293
 Araujo, H. 768, 2125
 Arbel, T. 993, 1826
 Arcelli, C. 1036, 1188
 Ardizzone, E. 642, 643, 978, 2071
 Arie, G.R. 161
 Ariki, Y. 340, 2072
 Arimura, K. 1098
 Armande, N. 928
 Armando, A. 986
 Armstrong, C.G. 1784
 Armstrong, M. 762
 Arnold, D. 477
 Arrebola, F. 188
 Arreguit, X. 597
 Asada, M. 2027
 Asada, N. 769
 Asmuth, J.C. 273
 Assonov, M.V. 1111
 Astola, J.(T.) 129, 1669
 Åström, A. 1042
 Åström, K. 713, 821, 1937, 1992, 2005, 2009
 Atalay, V. 1375
 Atiquzzaman, M. 1480
 Atkin, P. 960
 Atmaca, H. 958
 Attali, D. 1202
 Attolico, G. 1354
 Au, W. 471, 474
 August, J. 926
 Augustin, J. 544
 Auran, P.G. 1644
 Austin, J. 1384
 Averbuch, A. 873, 1134
 Avidan, S. 1564, 1899, 1935, 1945
 Axen, U. 1292
 Ayache, N. 260, 556, 1306, 1392, 2093, 2099
 Aydin, T. 796
 Ayer, S. 2029
 Aykroyd, R.G. 1294
 Ayoung-Chee, N. 1804
 Azam, M. 425
 Azarbajani, A. 351
 Azaria, M. 792

- Azencott, R. 550, 555, 1440
 Baba, M. 769
 Babaguchi, N. 545
 Bab-Hadiashar, A. 1962
 Baccar, M. 1629
 Bader, D.A. 562
 Badler, N.I. 264
 Bae, Y.J. 1673
 Baglietto, P. 564
 Bajaj, C.L. 1764
 Bajcsy, P. 903
 Bajcsy, R. 14, 992, 1237, 1447, 2096
 Baker, J.W. 1463
 Baker, K.D. 432, 462
 Baker, S. 813
 Bala, J. 347, 1072
 Balakirsky, S.(B.) 1923, 1965
 Balas, G.J. 1924
 Baluja, S. 294, 309, 424
 Bamberger, R.H. 1389
 Bandemer, H. 1077
 Bandera, C. 578, 1536
 Banerjee, S. 1075
 Bangham, J.A. 701, 702, 705
 Barache, D. 1169
 Baras, J.S. 674
 Baratoff, G. 1585
 Barba, D. 1316
 Bardinet, E. 2099
 Barequet, G. 1760
 Barhen, J. 219
 Baribeau, R. 1672
 Barlaud, M. 159
 Barnard, K. 1259
 Barnard, R.L. 458
 Barni, M. 1499
 Baronti, S. 832
 Barrett, E. 1084
 Barron, J.L. 1980
 Barsky, B.A. 1646
 Bartels, R. 88
 Bartolini, F. 452
 Barzohar, M. 511
 Basañez, L. 1659
 Basri, R. 918, 1584, 1816, 1831, 1896
 Basu, A. 1538, 1589, 1595
 Basu, S. 348
 Batchelor, B.G. 393, 1240
 Batista, J. 768, 2125
 Batlle, J. 1280
 Battini, F. 569
 Baumberg, A. 271
 Baumela, L. 763
 Baylou, P. 946
 Bayouni, M.M. 2018
 Bayro-Corrochano, E. 770, 1090, 1105, 2008
 Beardsley, P.(A.) 749, 1993
 Beare, R. 2070
 Bebis, G. 1535
 Bedekar, A.S. 1573
 Beers, A.C. 1310
 Beet, S.W. 320, 363
 Beghdadi, A. 834
 Behringer, R. 441
 Belhumeur, P.N. 300, 1543, 1796, 1961,
 2118
 Belkacem-Boussaid, K. 834

- Bellaire, G. 1847
 Bello, F. 1347
 Belongie, Z. 649
 Ben-Arie, J. 77, 482, 801, 805, 819, 1854
 Benayoun, S. 2106
 Ben-Bassat, M. 1815
 Bender, E.A. 228
 Benedetto, J.J. 147
 Benelli, G. 965
 Bennett, J. 1323
 Benoit, S.M. 1952
 Benosman, R. 1582
 Bensaid, A.M. 874
 Bensrhar, A. 1553
 Ben Yacoub, S. 935
 Béranger, V. 447
 Bercovier, M. 1782
 Berenstein, C.A. 674
 Berger, M.O. 1548
 Bergevin, R. 1412
 Berroir, J.P. 2128
 Berthod, M. 854, 864, 1430, 1690
 Berthouze, L. 764
 Bertin, E. 691
 Bertolino, P. 691, 945
 Bertozzi, M. 450
 Bertrand, G. 961, 1910
 Bess, R. 1609
 Beutel, J. 252
 Beveridge, J.R. 428, 469, 475, 476, 492, 576, 1417, 1431
 Beymer, D. 204, 296, 318
 Bezdek, J.C. 222, 874
 Bhagavathi, D. 1083
 Bhandarkar, S.(M.) 730, 789, 1769
 Bhanu, B. 68, 465, 479, 480, 483, 484, 487, 494, 495, 496, 901, 905, 922, 1821
 Bhaskaran, V. 132
 Bhat, D.N. 1577
 Bhat, P.B. 565
 Bhattacharjee, S.(K.) 644, 949
 Bhattacharya, P. 878, 1091
 Bhattacharya, U. 1374
 Bhavanishankar, N. 584, 596
 Biancardi, A. 586
 Bianchi, N. 1002
 Bien, Z. 790
 Bignone, F. 540
 Bigün, J. 644, 1107, 2051
 Binaghi, E. 505
 Binefa, X. 186
 Binford, T.O. 65, 803, 804, 1791, 1836
 Bischof, H. 691, 1530
 Bischof, W.F. 236
 Black, M.J. 735, 1914, 1932, 1943, 2100
 Blais, F. 1672
 Blake, A. 302, 1974, 2081, 2101, 2102, 2113
 Blanc, C. 1788
 Blidberg, D.R. 410
 Blinov, A.B. 1314
 Bloch, I. 127, 1416
 Bloedorn, E. 906
 Blostein, S.D. 497, 1931
 Blum, R. 64
 Bobick, A. 319
 Bogaert, M. 2069
 Bogen, D.K. 1777
 Boi, J.M. 1173

- Boissonat, J.D. 1227
 Bolle, R.M. 690, 1296, 1315, 1814
 Bolles, R.C. 59
 Bolon, P. 1196
 Bolton, A.G. 787
 Bonmassar, G. 1429
 Bonnet, N. 884, 1383
 Bonnin, P. 957
 Borgefors, G. 1052, 1201, 1904
 Bosacchi, B. 222
 Bosdogianni, P. 1496
 Bose, N.K. 215
 Bottoni, P. 1002
 Boukir, S. 1561
 Boulton, T.(E.) 64, 576, 725, 1258, 1705, 1752, 2117
 Bouman, C.A. 744, 1247
 Bouthemy, P. 972, 1561, 1917, 2021, 2042, 2056, 2057
 Bouts, E. 1799
 Bouzerdoun, A. 2070
 Bove Jr., V.M. 2064
 Bovik, A.C. 1655
 Bowyer, K. 50, 810, 1631, 1822
 Boxer, L. 1404
 Boyce, J.F. 365, 543, 1947
 Boyer, E. 1571
 Boyer, K.L. 541, 1805
 Bradley, C. 1625
 Brady, J.(M.) 815, 1059, 1368, 1566, 1990, 1991
 Brady, N. 2144
 Brailean, J.C. 1963
 Bramble, S.K. 40
 Branca, A. 1354
 Brandt, R.D. 1079
 Braud, P. 2109
 Braun, K. 827
 Bräutigam, C.G. 1727
 Brechbühler, C. 904, 916
 Breen, E.J. 662, 681
 Bregler, C. 304, 368, 649
 Bremner, B. 514
 Bremont, J. 1666
 Breton, P. 1725
 Breuel, T.M. 1466
 Bribiesca, E. 1399
 Brinicombe, A.M. 365
 Brink, A.D. 870, 881
 Brisson, E. 1783
 Brivio, P.A. 505
 Brivot, R. 1479
 Brochard, J. 2086
 Brodsky, T. 1938
 Broggi, A. 450
 Brooks, M.J. 763
 Brooks, R.R. 1390
 Brown, C.(M.) 57, 76
 Brown, D.J. 409
 Brown, J. 1189
 Brown, S.F. 787
 Bruce, J.W. 1765, 1766
 Bruckstein, A.M. 1092, 1126, 1158, 1177, 1182, 1235, 1684, 2083
 Brüderlin, B. 1635
 Brujic, D. 1452
 Brunelli, R. 265
 Brunnström, K. 977, 1449

- Brzakovic, D. 1396
 Bubna, K. 1544
 Buendia, M. 1074
 Buesching, D. 1156
 Buhmann, J.M. 1382, 1593
 B ker, U. 1011
 Bulot, R. 1173
 Bulpitt, A.(J.) 865, 1425
 Bulsari, A. 53
 Bultman, W.J. 1057
 Bulut, M. 958
 Bulwinkle, G.E. 513
 Bunke, H. 332, 373, 396, 1631, 1893
 Burge, M. 1798, 1866
 Burger, W. 1798, 1866
 Burkhardt, H. 1590
 Burl, M.C. 312
 Burlina, P. 429, 489, 516, 525, 1981
 Burns, J.B. 317
 Burt, P. 468
 Busboom, A. 1621
 Buse, R. 1131
 Butt, M.A. 170
 Buxton, B.(F.) 17, 1284
 Buxton, H. 2036, 2066
 Bykov, A.I. 1217
 Byun, J.E. 1873

 Cabello, D. 1317
 Cabrera, J. 1147
 Caelli, T.(M.) 197, 236, 414, 1131, 1371, 1627
 Cai, Q. 328
 Cai, Y.Y. 1622, 1624

 Califano, A. 690
 Callari, F.G. 999, 1006
 Calway, A.D. 1957
 Camacho, P. 188
 Cambou, N. 553
 Cameron, S. 1210
 Camilli, F. 1743
 Campadelli, P. 1282
 Campilho, A.(J.)C. 1658, 1949
 Camps, O.I. 672
 Camus, T. 443, 2026
 Canagarajah, N. 887
 Canton, M.P. 109
 Cantoni, V. 3
 Canu, D. 556
 Cappellini, V. 452, 1499
 Caprioglio, M. 1173
 Capurro, C. 2142
 Carazo, J.M. 1078
 Cardillo, J. 1518
 Carevic, D. 1371
 Carlsson, S. 1025, 1058
 Carmer, D.C. 179
 Carron, T. 1281
 Carson, C. 649
 Carstensen, J.M. 1206
 Casadei, S. 811, 909
 Casasent, D.P. 37, 138, 171
 Caselles, V. 831, 907
 Casini, A. 832
 Cass, T.A. 1838
 Casta o, R.L. 853
 Castan, S. 1439, 2130
 Ceccarelli, M. 2068

- Cernuschi-Frias, B. 1613
 Cesar Junior, R.M. 1047, 1133, 1140, 1169
 Chabbi, H. 1548
 Chachick, A.C. 403
 Chaddha, N. 1310
 Chakrabarti, C. 2087
 Chalermwat, P. 594
 Chalom, E. 2064
 Cham, T.J. 1422
 Chan, K.L. 740
 Chan, L.A. 488
 Chan, S. 2131
 Chan, T.S. 822
 Chan, Y. 383
 Chanda, B. 1242
 Chandrasekaran, V. 1627
 Chang, C.C. 611, 1037
 Chang, H.T. 375
 Chang, I.C. 336
 Chang, I.S. 1664
 Chang, K.E. 1774
 Chang, N. 385
 Chang, R.C. 1787
 Chang, S.F. 659
 Chang, S.K. 603
 Chang, W.T. 743, 1732
 Chang, Y.C. 1249
 Chao, J. 1807
 Chao, T.H. 171
 Chardaire, P. 702
 Charroux, B. 967
 Charvillat, V. 1442
 Chassery, J.M. 820
 Chatterjee, S. 1916
 Chatterjee, S.S. 1260
 Chatterji, B.N. 1026, 1406
 Chatterji, G.B. 1633
 Chaturvedi, A.K. 733
 Chatzis, V. 1495
 Chaudhuri, B.B. 546, 1192, 1199, 1218,
 1374, 1891, 1902
 Chaudhuri, C. 1916
 Chaudhuri, D. 546
 Chaudhuri, S. 1751
 Chaumette, F. 997, 1561, 1917
 Chavand, F. 764
 Chehadeh, Y. 1196
 Chelberg, D.M. 793
 Chella, A. 978
 Chellappa, R. 429, 489, 509, 516, 525, 577,
 583, 783, 1922, 1923, 1942, 1955, 1956,
 1965, 1981, 2011
 Chen, C.C. 1334
 Chen, C.H. 574
 Chen, C.S. 1849
 Chen, C.T. 927, 1318, 1802
 Chen, D.C. 1334
 Chen, D.Z. 1213
 Chen, H. 1257, 1265
 Chen, J. 1390
 Chen, J.L. 1842, 1876
 Chen, J.M. 1127
 Chen, J.R. 860
 Chen, K.C. 1291
 Chen, L.H. 1143, 1472
 Chen, M.S. 618
 Chen, Q. 330, 337, 344, 2012
 Chen, S. 446, 1887

- Chen, S.S. 604
 Chen, S.W. 1763, 1774
 Chen, W. 1926
 Chen, W.C. 1250
 Chen, W.G. 1930, 2024
 Chen, Y. 1654
 Chen, Y.J. 1183
 Chen, Y.K. 2063
 Chen, Y.S. 1187, 1195, 1197
 Chen, Z. 1630, 1651, 1699
 Cheng, H.D. 720, 859, 860
 Cheng, M.C. 1250
 Cheng, Y. 1053
 Cheng, Y.Q. 517, 1277, 1996
 Cheong, C.K. 2053
 Cheong, L.F. 2103
 Chern, M.Y. 334
 Chernov, V.M. 1313
 Chetverikov, D. 1350
 Chia, T.L. 1651, 1699
 Chiang, M.C. 725
 Chiarello, E. 508
 Chien, S.A. 575
 Chimonidis, T. 1219
 Chin, P.C. 1032
 Chin, R.T. 673
 Chin, T.L. 1630
 Chinveeraphan, S. 712
 Chleq, N. 2067, 2069
 Cho, D. 1673
 Choi, H. 973
 Choi, H.I. 379
 Choi, J.S. 1697, 1740, 1748
 Chopra, R. 534
 Choron, B. 569
 Chorowicz, J. 1137
 Chou, P.A. 159
 Christensen, G.E. 1407
 Christensen, H.I. 1019
 Christmas, W.J. 1397
 Christy, S. 1982, 1987
 Chu, S. 360
 Chu, W.W. 621
 Chua, C.S. 1813
 Chuan, C.H. 619
 Chuang, C.P. 1763
 Chuang, G.C.H. 1141
 Chuang, J.H. 1520
 Chun, D.N. 875
 Chung, C. 973
 Chung, J.M. 1549
 Chung, K.L. 1034, 1040, 1073
 Chung, P.C. 1744
 Chung, R. 930, 1692
 Chung, Y. 806, 902
 Chwa, K.Y. 724
 Cicirelli, G. 440
 Cimatti, A. 986
 Cinque, L. 585, 1027, 1043, 1504
 Cipolla, R. 17, 270, 1094, 1422, 1676, 1937, 1941, 2078
 Clark, A.F. 856, 863
 Clarke, J.C. 2082
 Clarke, L.P. 874
 Clement, D. 454
 Clementini, E. 1215
 Cochran, S.D. 513
 Cocquerez, J. 967

- Cohen, B. 1346
 Cohen, F.S. 1408
 Cohen, I. 734, 1939, 2128
 Cohen, L. 2099
 Cohen, L.D. 352, 734, 867, 923, 948
 Cohen, M.F. 1270
 Cohen, P. 445
 Cohen, S.D. 627
 Cohn, A.G. 2038
 Colaītis, M.J. 569
 Colantoni, P. 1283
 Coldefy, F. 1440
 Coll, B. 831
 Collet, C. 972
 Collin, B. 1329
 Collins, R.T. 517, 532, 1421, 1428, 1996
 Colombo, C. 995
 Coltuc, D. 680
 Comer, M.L. 1386
 Concepcion, V. 463, 2088
 Cong, G. 709, 715
 Connolly, C. 521
 Constable, R.T. 2122
 Cook, D.J. 419, 426, 991
 Coombs, D. 443, 2026
 Cooper, D.B. 511, 741, 1832
 Cooper, P.R. 942
 Cootes, T.F. 1051, 1436, 1546, 1771, 1839
 Coquin, D. 1196
 Cordella, L.P. 1515
 Cornelis, J. 1395
 Corneloup, G. 871
 Cornez, P. 2069
 Correia, M.V. 1949
 Corridoni, J.M. 640, 1825
 Cortelazzo, G. 1398, 1400, 1459
 Costa, B. 126
 Costeira, J. 2032
 Costen, N. 301
 Courtellemont, P. 1165
 Courtney, T. 932
 Coutin, L. 2086
 Covell, M. 368
 Cox, I.J. 310, 647, 937, 1539, 1951, 2091
 Coyle, E.J. 1764
 Crane Jr., A.C. 500
 Craw, I. 272, 301
 Crespi, B. 1919
 Cross, A.D.J. 1508, 1511
 Crouzil, A. 1439
 Crowley, J.L. 995, 1529, 1858
 Cubero-Castan, E. 964
 Cucchiara, R. 1486, 1503
 Cucka, P. 1212
 Cui, Y. 308, 349, 1136
 Cumani, A. 751
 Curless, B. 1645
 Curwen, R.W. 2105
 Cyganski, D. 1064
 Czarnecki, W. 1387
 Czuni, L. 943
 Dabis, H. 851
 Daemi, M.(F.) 1112, 1532
 da Fontoura Costa, L. 81, 1047, 1133, 1140,
 1169, 1481
 Dagnelle, G. 201
 Dai, Y. 278

Dalke, A. 360
 Dalle, P. 2130
 Dalmia, A.K. 1540, 1547
 Dalton, B. 302
 Damodaran, M. 1786
 Dan, S. 545
 Dance, S. 414
 Dang, V.N. 2058
 Daniilidis, K. 754, 765, 770, 2104
 Daoudi, M. 1433
 Darrell, T.(J.) 291, 305, 361
 Darsa, L. 126
 Das, C.Y. 1763
 Das, P.P. 1026
 Das, S. 1537, 1821
 Dassow, J. 1211
 Datta, A. 1199
 Daubechies, I. 160
 Davatzikos, C. 924
 Davidson, J.L. 142
 Davis, J. 319
 Davis, L.(S.) 2, 287, 288, 295, 306, 341, 417, 516, 1865, 1870, 2096
 Davis, W.A. 88
 da Vitoria Lobo, N. 314, 1535, 2002, 2020
 Dawson-Howe, K.M. 1819
 de Agapito, L. 763
 Dean, T. 226
 de Bakker, M. 1656
 Debevec, P.E. 1721
 de Boer, C. 580
 Debie, R. 1553
 de Brucq, D. 1165
 De Carlo, D. 313, 1776
 Deffontaines, B. 1137
 De Florian, L. 704, 1775
 Deguchi, K. 1735
 de Gyvez, J.P. 573
 Dehili, A. 1489, 1497
 DeJong, K. 347
 Dekeyser, J.L. 588
 Dekhil, M. 1635
 de Knecht, J. 1446
 de la Fortelle, A. 1749
 Delagnes, P. 1316
 Delanoy, R.L. 460
 De la Rosa, F. 1224
 Delashmit, W. 473
 Del Bimbo, A. 639, 640, 645, 1825, 1925
 DeLescure, B. 569
 DeLeune, J. 1117
 Delherm, C. 1641
 Dellepiane, S.(G.) 886, 938, 939
 Delmot, T. 962
 Delp, E.J. 1386
 DeMenthon, D.F. 1870
 Demi, M. 2073
 Demigny, D. 833
 Demir, D. 958
 Demsar, J. 648
 De Natale, F.G.B. 836
 Deng, W. 798
 Deng, X. 1225
 Deng, Y.P. 1698
 Dennis, T.J. 1556
 Denos, M. 1545
 Denzler, J. 2054, 2090
 Deparis, J.P. 366

DePersia, A.T. 39	Di Martino, J.C. 788
De Piero, F. 1505	Di Mauro, E.C. 1051, 1546
De Piero, F.(W.) 1505, 1660	Ding, W. 592
Deretta, G. 1400	Dingle, A.A. 969
Deriche, M. 699	Dinstein, I. 1346
Deriche, R. 808, 1456, 1569	Dipanda, A. 1959
Deruyver, A. 934	Distante, A. 440, 1354
Desachy, J. 503	Di Zenzo, S. 1043
Desai, U.B. 955, 983	Djebali, M. 1665
de St. Germain, H.J. 761, 1634	Djorkovski, S.G. 506
De Sario, M. 1363	Dobashi, Y. 1272
Deshazer, J.A. 259	Dohmen, M. 235
Deshpande, S.G. 1751	Doignon, C. 1168
De Stefano, C. 1049	Dolan, J. 576
Devars, J. 1582	Dom, B. 1278
Devernay, F. 1575	Donahue, M. 917, 1526
Devlaminck, V. 2143	Dorai, C. 1649, 1857
De Vleeschouwer, C. 962	Doria, D.M. 472, 1524
Devroye, L. 229	Dorigo, M. 405
de Win, A. 1155	Dorsey, J. 1273, 1311
Dhome, M. 303, 1641, 2109, 2141	Dougherty, E.R. 129, 142
Diamantaras, K.I. 1968	Douglas, D.C. 561
Dias, J. 2125	Dowling, G.R. 1461
Diaz-de-Leon S., J.L. 1068	Draper, B.(A.) 469, 533, 538, 551, 628, 980, 2098
Diaz Pernas, F. 1741	Drew, M.S. 1685
Di Bernardo, E. 350	Drewes, F. 1216
Dibos, F. 718	Druckmüller, H.J. 1465
Di Caro, G. 1919	Drukarev, A.I. 133
Dickinson, B. 657	Drummond, O.E. 457
Dickmanns, E.D. 441	Du, F. 578
Diebolt, F. 449	Dubey, A.C. 458
Di Felice, P. 1215	Dubuisson Jolly, M.P. 466
Di Gesu, V. 643	Dubus, J.P. 2143
Dillencourt, M.B. 1023	

Duc, B. 2051	Efford, N.D. 865
Ducottet, C. 2148	Eggers, H. 1191
Ducrot-Gambart, D. 964	Eggert, D.W. 1435, 1631
Dudek, G.(L.) 411, 1804	Ekinici, M. 442
Dudgeon, D.E. 470	Eklund, J.E. 1042
Dugan, E.T. 1478, 1491	Eklundh, J.O. 78, 976, 977, 1016, 1727
Dugelay, S. 544	Ekre, T. 1845
Dujardin, E. 1489, 1497	Elder, J.H. 807, 809, 912
Dulimarta, H.S. 412	Elihai, Y. 1222
Duncan, J.H. 2019	Ellis, T.J. 1461
Duncan, J.(S.) 260, 849, 2122	Embrechts, H. 1176
Dunker, J. 1859	Ens, J. 1554
Dunn, D.F. 1362	Eom, K. 525
Dunn, S.(M.) 1534, 1927	Erdem, A.T. 2075, 2145
Dupoisot, H. 834	Erdmann, M. 1061
Durbin, F. 550, 555	Erenshteyn, R. 335
Durgin, F.H. 1335	Ernst, J. 754, 765
Duric, Z. 72, 1921, 2028, 2033	Erten, G. 1558
Durnell, L. 365	Eschbach, R. 1234
Durou, J.D. 1687	Esposito, F. 6
Dutta Majumdar, D. 1075	Essa, I.(A.) 291, 348
Duvieubourg, L. 366	Evako, A.V. 117
Duziak, J.J. 112	Evans, J. 891
Dwyer III, S.J. 255	Everat, J.C. 961
Dyer, C.R. 726, 1801	Eviatar, H. 883
Eagleson, R. 1980	Eyal, M. 1346
Earles, S.W.E. 1890	Ezquerria, N. 1875
Earnshaw, A.M. 1931	Ezquerria, W. 857
Earnshaw, R.A. 100	Fagan, M.S. 500
Ebrahimi, T. 2062	Fagerström, D. 707
Eckstein, W. 1437	Fairney, D.P. 1827
Eden, M. 157	Fairney, P.T. 1827
Edgar, G.A. 1288	Falcone, M. 1743

- Fan, C.M. 1929
 Fan, J. 1364, 2025
 Fan, K.C. 667, 1441
 Fanelli, A.M. 238
 Farid, H. 679, 1640
 Farrell, J.A. 101
 Fascioli, A. 450
 Faugeras, O.(D.) 758, 1541, 1542, 1575,
 1749, 1898, 1972, 1973, 1994
 Fayek, R.E. 554
 Fayman, J.A. 1009, 2028
 Fayolle, J. 2148
 Fayyad, U.M. 506
 Fdez-Valdivia, J. 711
 Fejes, S. 1163
 Feldmar, J. 1392
 Fellenz, W.A. 1014
 Feng, G.C. 1138
 Feng, J. 1318
 Fermin, I. 2089
 Fermüller, C. 989, 1936, 1938, 2103
 Fernyhough, J.H. 2038
 Ferrie, F.P. 993, 999, 1006, 1616, 1804,
 1826, 1952
 Ferryman, T.A. 901
 Feynman, C.R. 561
 Fiala, M. 1589
 Fiddelaers, P. 940
 Figueiredo, M.A.T. 952
 Filicori, F. 1486
 Finch, A.M. 1514
 Finkelstein, A. 708
 Finlayson, G.(D.) 1253, 1259, 1260
 Firby, R.J. 316
 Fischer, R.B. 1435
 Fischer, V. 1001
 Fischler, M.A. 59, 988
 Fishell, W.G. 500
 Fisher, R.B. 33, 1154, 1175, 1464, 1631,
 1717
 Fitzgibbon, A.(W.) 1154, 1175, 1435, 1464,
 1631
 Fitzpatrick, J.M. 1193, 1194
 Fjortoft, R. 964
 Flatland, R.Y. 1544
 Flauton, D. 420
 Flavell, A. 1114
 Fleck, M.M. 304, 649, 1204
 Fletcher, G.J. 1718
 Fletcher, S. 1425
 Fleury, M. 856, 863
 Flickner, M. 1142
 Flinchbaugh, B. 71
 Florack, L.(M.J.) 167, 693, 808
 Floreby, L. 2136
 Florou, G. 772
 Flusser, J. 1067, 1080
 Flynn, P.J. 1389, 1623, 1631
 Fogel, D.B. 227
 Foggia, P. 1049, 1515
 Foltyniewicz, R. 323, 374
 Fong, A.Q. 573
 Fonga, H. 1895
 Fontana, F. 886
 Forchheimer, R. 1042
 Ford, S.J. 513
 Foresti, G.L. 685, 852, 984
 Forsyth, D.A. 304, 649, 1688

- Fosgate, C.H. 966
 Foster, N. 1762
 Foulds, R. 335
 Fournel, T. 2148
 Francos, J.M. 1300
 Frank, T. 2110
 Fraser, D. 731
 Fraser, D.A. 1867
 Frazier, M.W. 147
 Freeman, H. 54, 1824, 1887
 Freeman, W.T. 1693
 Freksa, C. 196, 1205
 Freund, R. 1211
 Frisby, J.P. 1568
 Fröhlinghaus, T. 1593
 Frucci, M. 1048
 Fu, H.C. 375
 Fua, P. 520, 521, 526, 540, 904, 916, 1581, 1607, 1683
 Fuchs, S. 2137
 Fuh, C.S. 1652
 Fuhr, T. 1020
 Fuhrt, B. 150, 158
 Fujii, S. 1677, 1881, 1884
 Fujimura, K. 1226
 Fujita, Y. 582
 Fujiwara, Y. 1733
 Fukagawa, Y. 1737
 Fukumoto, T. 337
 Fulcher, J. 369
 Funabashi, J. 1864
 Funakubo, N. 1448
 Funayama, R. 325
 Fung, P.F. 1487
 Funka-Lea, G. 2120
 Funt, B.(V.) 1259, 1260
 Fürst, S. 441
 Furukawa, R. 2129
 Gabbouj, M. 956
 Gaglio, S. 978
 Gagne, M. 180
 Gagnon, H. 1412
 Gaidon, T. 1458
 Gale, A.C. 398
 Galinec, D. 588
 Galo, M. 1747
 Gamba, P. 1745
 Gambotto, J.P. 556
 Gan, F. 2025
 Ganansia, F. 2057
 Ganster, H. 549
 Ganter, M.A. 1853
 Garbay, C. 820, 1002
 García, J.A. 711
 García, M.A. 1659
 Garcia, N. 1969
 Garcia-Cerezo, A. 416
 García-Silvente, M. 711
 Gärding, J. 1568, 1686, 1727
 Gardner, W.F. 420
 Gardos, T.R. 133
 Garigliano, R. 1031
 Garza-Jinich, M. 968
 Garzelli, A. 965
 Gauch, J.M. 1702
 Gauclin, C. 1749
 Gautier, E. 569

- Gavrilă, D.M. 295, 306, 1153
 Gay, R.K.L. 1786
 Gayda, V.B. 1601
 Gdalyahu, Y. 1794
 Ge, Y. 1193, 1194
 Gee, A. 2078
 Gee, L.A. 1629
 Geffroy, J.P. 569
 Geiger, D. 913, 917, 920, 1526
 Gelenbe, E. 219
 Gelfand, S.B. 889
 Geman, D. 510
 Genc, Y. 766
 Genesereth, M.R. 430
 Gent, C.R. 409
 Georgiopoulos, M. 1535
 Gerber, R. 451
 Gerdes, R. 1517
 Gervautz, M. 1305
 Gevers, T. 636
 Ghali, A. 1112, 1532
 Gheen, G. 1084
 Ghorbel, F. 1433, 1895
 Ghosal, S. 490, 1928
 Ghosh, P.K. 664, 665
 Ghosn, J. 310
 Giachetti, A. 1940, 2077
 Giani, C. 452
 Giannakis, G.B. 1299, 1926
 Giblin, P.J. 1464, 1718, 1765, 1766, 1937
 Gifford, S.J. 513, 519
 Gil, S. 413, 2107
 Giles, C.L. 311
 Gilmont, T. 947
 Gimelfarb, G.L. 1303, 1312, 1331, 1372, 1381, 1601
 Giordana, N. 974
 Girod, B. 2016
 Giunchiglia, E. 986
 Giusto, D.D. 836
 Gleason, S.S. 959
 Gloster Jr., C.S. 566
 Gmytrasiewicz, P. 419, 991
 Godin, G. 1672
 Goerick, C. 415
 Gofman, Y. 1093
 Gökmen, M. 742
 Goktepe, M. 1375
 Gold, S. 1507, 1510
 Goldgof, D.(B.) 1451, 1631, 1822, 2119
 Golland, P. 1235
 Goller, A. 1738
 Golub, G. 1793
 Gomes, J. 126
 Gomez Garcia-Bermejo, J. 1741
 Gomez-de-Gabriel, J.M. 416
 Goncalves, J.G.M. 1650, 1671
 Goncalves, L. 350
 Gonmukhi, M.N. 561
 Gonzalez, H.J. 1613
 Gonzalez, J. 1948
 Gonzalez, R.C. 1629
 Goodman, R.M. 1558
 Gore, J.C. 2105
 Gorg, Y. 619
 Gosselin, C.M. 180
 Götz, W.A. 1465
 Goudail, F. 290, 1458

Gourdon, A. 1908
Gourley, C.S. 1597
Goutsias, J. 1298
Govindaraju, V. 266
Graffigne, C. 544
Grammalidis, N. 1604
Granlund, G. 842, 1000
Grant, P.M. 56, 364
Graves, C. 428
Green, G.L. 273
Greenspan, H. 649
Gregor, J. 1132
Greiner, R. 423
Grigorenko, M.V. 1601
Grimmer, D. 418
Grimsdale, R.L. 1758
Grimson, W.E.L. 63
Grobel, K. 338
Gros, P. 1837
Gross, A.(D.) 1160, 1705, 1752
Gross, H.M. 1015
Grossberg, S. 459
Grossert, S. 684
Grove, A. 1584
Grzeszczuk, R. 1270
Gu, H. 2027
Guan, L. 570
Guarino, C.R. 1742
Gudivada, V.N. 620
Guerin, B. 569
Guerriero, A. 1363
Gueziec, A. 1779
Guibas, L.J. 66, 627
Guichard, F. 1960

Guiducci, A. 751
Guigues, L. 493
Guil, N. 1498
Guillaume, M. 1458
Guillosoy, K.S. 203
Gunn, S.R. 326
Günsel, B. 635, 776
Gupta, A. 1242, 2117, 2120
Gupta, S.N. 1964
Gurdjos, P. 2130
Gürelli, M.I. 1304
Gurla, H. 1083
Gurtler, S.J. 1270
Gutta, S. 362
Guy, G. 1125, 1638
Györfi, L. 229

Haag, M. 2110
Hachimura, K. 641
Haddon, J.F. 543, 1947
Hafner, J. 1142
Hager, G.D. 397, 2111, 2116, 2118
Hagita, N. 1098
Hagyard, D. 960
Haigh, J.G.B. 1294
Hall, E.L. 37
Hall, L.O. 874
Hall, R.W. 1911
Hall, T.E. 1299
Halle, M. 2097
Halperin, D. 1208
Halstead, M.A. 1646
Ham, Y.K. 280
Hamard, K. 1489, 1497

- Hamdi, M. 563
Hamitouche, C. 840
Hamker, F.H. 1015
Hammerstrom, D.W. 568
Han, C.C. 667
Han, S. 1636, 1648, 1810
Hancock, E.R. 237, 1161, 1384, 1506, 1508, 1509, 1511, 1514
Hanjalic, A. 2016, 2068
Hannah, J.M. 364
Hanrahan, P. 1269, 1273, 1311
Hansen, K.V. 1483
Hansen, M. 1587
Hanson, A.(R.) 58, 517, 532, 533, 628, 980, 1565, 1681, 1996
Hanson, K.M. 254
Haralick, R.(M.) 75, 478, 522, 535, 539, 665, 672, 737, 1573, 1872
Harbison, K. 426
Harding, K.G. 394
Hartley, R. 762
Hartmann, G. 1011, 1014, 1859
Hartwig, A. 1756
Harvey, R. 701, 705
Harwood, D. 1326
Hasegawa, J.K. 1678
Haskell, B. 106
Hassebrook, L. 891
Hata, K. 2127
Hata, S. 1662
Hattori, K. 1661
Hauta-Kasari, M. 1348
Havaladar, P. 1712, 1722, 1818
Hawkins, H. 459
Hayashi, A. 435
Hayat, L. 856, 863
He, H. 731
Healey, G. 1251, 1252, 1267, 1268, 1336, 1337, 1342
Heap, T. 1770
Hease-Coat, V. 1357
Heath, M. 810
Hebert, M. 1752, 1753, 1789, 1797
Heckbert, P.S. 102
Heeger, D.J. 1944
Heidemann, G. 1861
Heijmans, H.J.A.M. 663, 1096
Heikkilä, J. 767, 1976
Heikkonen, J. 53
Heisterkamp, D.R. 1091
Heit, B. 1666
Heitger, F. 841
Heitz, F. 941, 2061, 2140
Held, A. 437
Heller, A. 521
Hellwich, O. 847
Hel-Or, Y. 683, 1871
Helterbrand, J.D. 888
Henderson, T.C. 73, 761, 1634, 1635
Hendriks, E.A. 1612
Hennebert, C. 2042
Henricsson, O. 540
Henstock, P.V. 793
Hepplewhite, L. 1355, 1376
Herbin, M. 884, 1383
Herbin, S. 996
Herlin, I.(L.) 352, 1939, 2128, 2139
Herman, G.T. 118, 1209

- Herman, M. 443, 1942, 2011, 2026, 2096
- Herpers, R. 324
- Hervé, J.Y. 445, 447, 1003
- Hespanha, J.P. 300
- Hess, A. 827
- Heuel, S. 528
- Hewer, G. 950
- Heyden, A. 713, 818, 821, 1695, 1992, 2005, 2009
- Hickinbotham, S.J. 1384
- Hienz, H. 338
- Higgins, W.E. 1041, 1044, 1362, 1388
- Hill, A. 1436, 1771
- Hill, J.V. 561
- Hillebrand, R. 780
- Hillion, A. 1387
- Hillis, W.D. 561
- Hilton, A. 1444, 1639, 1668
- Hingorani, S.L. 1539, 2091
- Hirano, A. 1667
- Hirata, T. 1180
- Hirronen, P. 1476
- Hirzinger, G. 1703, 1844
- Hisajima, T. 1036
- Hiura, S. 1885, 2135
- Hlavac, V. 994, 1800
- Hlavc, V. 994
- Ho, A.Y.K. 1979
- Ho, C.C. 1821
- Ho, C.K. 930
- Ho, C.T. 1143, 1472
- Ho, W.J. 743
- Ho, W.P. 1596, 1605
- Hoch, M. 2094
- Hodé, Y. 934
- Hoeltzener-Douarin, B. 957
- Hoffman, C.D. 519
- Hoffman, E.A. 253
- Hoffmann, C.M. 1780
- Hofmann, T. 1382
- Hoger, A. 1189
- Hogg, D.(C.) 271, 1425, 1770, 2022, 2038
- Holder, L.B. 419, 991
- Holder, M.B. 439
- Hollinghurst, N.J. 270
- Hollis, J.E.L. 409
- Holt, R.J. 124, 1977, 2083
- Homma, K. 1108
- Hong, H.K. 1697, 1748
- Hong, J. 1203
- Hong, K.S. 775, 2014
- Hong, M.W. 1736
- Hong, T.H. 443, 1942, 2011
- Hönig, J. 1666
- Hoogs, A. 514, 527, 1447, 1878
- Hoover, A. 1631, 1822
- Horaud, R. 1823, 1982, 1987
- Horikawa, Y. 1095
- Horiuchi, T. 1512
- Horng, J.H. 727, 1130, 1485
- Horng, S.J. 1035, 1183, 1469
- Hosticka, B.J. 1328
- Hougen, D.R. 1713, 1714, 1719
- Howarth, R. 2036, 2066
- Howden, S.J. 1012
- Hsieh, J.W. 1441
- Hsieh, Y. 529, 542
- Hsieh, Y.C. 513

- Hsu, C.C. 621
 Hsu, F.R. 375
 Hsu, S.C. 273
 Hu, C.Y. 1911
 Hu, G. 1557
 Hu, J. 1391
 Hu, W.C. 784
 Hu, Z. 1473, 1501
 Huan, J. 1534
 Huang, C.K. 1732
 Huang, C.L. 336, 1291
 Huang, C.Y. 1034, 1040
 Huang, J. 347, 362
 Huang, J.B. 1699
 Huang, L.K. 1519
 Huang, P.W. 610, 614, 616
 Huang, Q. 1278, 1285
 Huang, T.(S.) 69, 124, 268, 298, 357, 360,
 367, 728, 795, 944, 1420
 Huang, Y.S. 1060
 Huang, Z. 1408
 Hubbard, A.T. 104
 Hudson, W.H. 535
 Huertas, A. 524
 Huet, F. 1356
 Huijsmans, D.P. 637
 Huijsmans, N. 346
 Hull, J.J. 240, 244
 Hulskamp, J.P. 589
 Hummel, R. 473, 917, 1526, 1779
 Humphrey, W. 360
 Hung, Y.P. 773, 1849
 Hussain, A. 781
 Hussein, E. 1162
 Hutchinson, S. 397, 853
 Huttenlocher, D.P. 472, 1418, 1419, 1524,
 1525, 1840
 Hütter, M. 2049
 Huwer, S. 1403
 Huynh, D.Q. 763
 Hwang, E. 613
 Hwang, S.Y. 1032
 Hwang, W.L. 1744
 Hwang, W.S. 1012
 Hyun, S. 942
 Iannizzotto, G. 858, 953
 Ibañez, L. 840
 Ibaraki, T. 1036
 Ichikawa, A. 2089
 Ichoku, C. 1137
 Idell, P.S. 144
 Ido, S. 936
 Ikeda, K. 882
 Ikeda, M. 353
 Ikeda, T. 444
 Ikeuchi, K. 61, 481, 486, 1146, 1236, 1708,
 1789, 1797, 1856
 Iliades, P. 1245
 Illingworth, J. 56, 1639, 1668
 Imai, M. 2129
 Imiya, A. 1474, 1733, 1897, 2089
 Indiveri, G. 1920
 Iñesta, J.M. 1074, 1167
 Inokuchi, S. 1276, 1885, 2135
 Inoue, K. 2, 1909
 Intrator, N. 283
 Ioannou, D. 1478, 1491

Ionescu, D. 1610
 Ip, D.M.C. 563
 Ip, H.H.S. 293, 694
 Irani, M. 2031, 2034, 2045
 Irani, S. 1426
 Isard, M. 2101
 Ishiguro, H. 802
 Ishikawa, N. 340
 Ishizaka, T. 954
 Iso, T. 370
 Isukapalli, R. 423
 Ito, N. 1239
 Ito, Y. 437
 Itoh, H. 799
 Ivey, P.A. 671
 Iwai, Y. 321
 Iwamoto, T. 290
 Iwasa, H. 325, 345
 Iwata, A. 1864
 Iyengar, G. 653
 Iyengar, P.A. 267
 Iyengar, S.S. 798, 1390
 Izatt, A. 578

 Jaaskelainen, T. 187, 1348
 Jaber, J. 1231
 Jackson, S.A. 1166, 1367
 Jackway, P.T. 698, 699, 1349
 Jacobs, A. 220
 Jacobs, C.E. 708
 Jacobs, D.(W.) 893, 1151, 1584, 1830
 Jacobus, C.J. 427
 Jagadeesan, R. 869
 Jägersand, M. 987

 Jaime, R. 372
 Jain, A. 1252, 1267
 Jain, A.K. 249, 412, 466, 615, 646, 742, 776,
 797, 1296, 1315, 1331, 1339, 1410,
 1649, 1857
 Jain, R.(C.) 599, 633, 1432
 Jaitly, R. 1867
 JáJá, J. 562
 Jamet, O. 493
 Janet, J. 425
 Jang, B.K. 673
 Jang, J.H. 775
 Jang, J.S.R. 230
 Janssen, H. 1066
 Jarvis, R. 1813
 Jaung, F.S. 1183
 Jawahar, C.V. 1332
 Jaynes, C.O. 517, 532
 Jean, Y.R. 610, 614, 616
 Jean-Baptiste, G. 1631
 Jedynak, B. 510
 Jelalian, A.V. 174
 Jeng, S.H. 334
 Jeong, S.Y. 1455
 Jepson, A.D. 1932, 1943, 2039, 2100
 Jia, J.(C.) 915, 1244
 Jia, Y.B. 1061
 Jiang, T. 931
 Jiang, W.B. 1731
 Jiang, X. 373, 1631, 1893
 Jin, J.S. 1555
 Jochem, T.(M.) 406, 431
 Johnson, M.P. 579
 Johnson, N. 2022

- Jojic, N. 805, 819
 Jolion, J.M. 508
 Jones, G. 480
 Jones, R. 662, 670, 681
 Jonker, P.P. 581
 Jost, R.G. 255
 Jost, S.D. 1292
 Ju, S.X. 1943
 Juday, R.D. 16
 Juell, P. 277
 Jumpertz, J.L. 569
 Jung, G.S. 620
 Jung, J.Y. 377
 Jungert, E. 603
 Jutamulia, S. 175, 176
 Jutard, A. 1820
 Juvin, D. 1561

 Kachroo, P. 404
 Kacker, D. 1389
 Kadaba, S.R. 889
 Kadar, I. 455
 Kahn, R.E. 316
 Kaida, K. 1662
 Kakadiaris, I.A. 307, 1795
 Kakinoki, H. 1734
 Kalki, J. 1701
 Kalra, P. 381
 Kälviäinen, H. 1476, 1496
 Kamakura, R. 1239
 Kambhamettu, C. 1451
 Kammenos, P.A. 390
 Kammüller, R. 1517

 Kanade, T. 61, 294, 309, 396, 606, 1562,
 1574, 2003, 2032
 Kanatani, K. 46, 1985
 Kang, S. 732
 Kang, S.B. 1578, 1986
 Kanji, A. 573
 Kankanhalli, M.S. 1241
 Kano, H. 1574
 Kanungo, T. 539, 672
 Kao, T.W. 1183, 1469
 Kaplan, L.M. 1297
 Kapoor, R. 464
 Kappers, A.M.L. 1749
 Karabernou, M. 833
 Karafyllidis, I. 2085
 Karaman, M. 189
 Karasik, Y.B. 1050
 Kardouchi, M. 1959
 Karl, F. 1470
 Karl, W.C. 121, 966
 Karu, K. 1296, 1315, 1339
 Kashyap, R.L. 736, 889
 Kasturi, R. 239, 2084
 Kato, K. 802
 Kato, Z. 854, 864
 Katsaggelos, A.K. 130, 1171, 1963, 1966
 Katto, J. 1608, 1611
 Kaucic, R. 302
 Kaul, A. 1889
 Kaveh, M. 164
 Kaveti, S. 1628, 1869
 Kawaguchi, E. 1373
 Kawai, H. 275
 Kawashima, T. 378, 1733

- Kedem, K. 1572
 Kender, J.R. 64, 299, 1715
 Kenney, C. 950
 Kenyon, C.H. 404
 Keren, D. 1832
 Kervrann, C. 2061, 2140
 Kharitonsky, D. 2106
 Khodonov, A. 187
 Khosrari, M. 1405
 Khotanzad, A. 1323, 1829
 Khoudour, L. 366
 Kielman, C.O. 1178
 Kikinis, R. 2097
 Kim, C. 1214
 Kim, C.H. 1736
 Kim, E.S. 721
 Kim, I.C. 1455
 Kim, I.Y. 894, 982
 Kim, J. 572
 Kim, J.H. 1522
 Kim, J.S. 281
 Kim, K.I. 2010
 Kim, M.H. 377
 Kim, R.C. 1455
 Kim, T. 507
 Kim, T.E. 1740
 Kim, Y. 251, 572
 Kimia, B.B. 1118, 1152
 Kimmel, R. 907, 923, 948, 1089, 1158, 1182, 1684
 Kindratenko, V.V. 1099
 King, I. 1487
 Kiniklis, P. 1246
 Kiryati, N. 1093, 1182, 1462
 Kishimoto, K. 1054
 Kishino, F. 322, 355, 1808, 2127
 Kita, Y. 1443, 1778
 Kitahashi, T. 545
 Kitamura, Y. 1808
 Kitney, R.I. 1347
 Kittler, J. 838, 851, 1019, 1359, 1397, 1496, 1513
 Kjeldsen, R. 299, 690
 Klein, S.A. 1646
 Klenk, K.S. 1213
 Klette, R. 1, 14, 47, 1470, 1906
 Knapp, C. 891
 Kniffin, B. 527
 Knittel, G. 1290
 Knox, K. 1234
 Knutsson, H. 1000
 Ko, H. 264
 Ko, I.J. 379
 Ko, M.T. 1441, 1787
 Ko, S.J. 677
 Kobatake, H. 1101
 Kobayashi, Y. 342
 Koch, C. 221, 1920
 Koch, I. 933
 Koch, R. 1583
 Koenderink, J.J. 1261, 1321, 1726, 1749
 Kohl, C. 576
 Koivunen, V. 1619, 1669
 Kojima, H. 437
 Kolczynski, R.J. 273
 Kollnig, H. 2108, 2110
 Komatsu, T. 774, 2146
 Kong, A. 1409

- Kong, T.Y. 51, 114
 Konrad, J. 2058
 Koplowitz, J. 1117
 Köppen, M. 684
 Kopperman, R. 117
 Kopylov, A.V. 1314
 Korn, B. 1848
 Kornerup, P. 1113
 Korsten, M. 1868
 Koschan, A. 47, 1598
 Kosko, B. 231
 Kosmala, A. 382
 Kostamo, P. 552
 Kothari, R. 380
 Köthe, U. 706
 Kovacevic, J. 160
 Kovalev, V. 1325
 Krake, S. 1749
 Kramer, J. 1920, 2092
 Krebs, B. 1848
 Kreutz, M. 1066
 Krieger, G. 794
 Kriegman, D.J. 300, 1796, 1998
 Krikelis, A. 567
 Krim, H. 966
 Krishnamachari, S. 509
 Krishnan, A. 184, 1618
 Krishnan, R. 546, 1997
 Kropatsch, W.(G.) 1, 14, 935
 Krotkov, E. 1293
 Krueger, W.M. 1292
 Krüger, S. 1957
 Krumm, J. 1880
 Kube, P. 800
 Kübler, O. 841, 1184
 Kubota, T. 697
 Kudo, T. 1667
 Kulick, T. 1679
 Kulkarni, M.S. 1248
 Kulkarni, S.R. 121, 1958
 Kumaki, K. 1264
 Kumamura, S. 1662
 Kumar, A. 1924
 Kumar, K.S. 955
 Kumar, M.A. 1026
 Kumar, S. 1451, 2119
 Kumar, V.(P.) 971, 983
 Kumaran, K. 913, 920
 Kummert, F. 1020
 Kundel, H.L. 256
 Kundur, S.R. 2001
 Kung, S.Y. 383, 2063
 Kunii, T.L. 84
 Kuniyoshi, Y. 764
 Kuno, Y. 358, 2065, 2123
 Kuo, C.C.J. 602, 656, 1141, 1297, 1696
 Kuosmanen, P. 1669
 Kupeev, K.Y. 825, 1402
 Kurihara, T. 292
 Kurz, L. 781, 1358
 Kuszmaul, B.C. 561
 Kutlu, G. 628
 Kuttikkad, S. 525, 577, 583
 Kutz, A. 422
 Kuzmin, L.V. 122
 Kwon, J.S. 1697
 Kwon, O.K. 1457

- Kyuma, K. 290
- Labit, C. 2056
- Labunets, E. 1111
- Labunets, V.G. 1111
- La Cascia, M. 642, 643, 2071
- Lachaud, J.O. 908
- Lacoss, R.T. 470
- Laferté, J.-M. 941
- Lagendijk, R. 2068
- Laget, B. 1283
- Lai, F. 1250
- Lai, K.F. 2131
- Laine, A. 1364
- Laine, A.F. 143, 1478
- Lakshmanan, S. 418, 466, 1410
- Lam, F.K. 879, 970
- Lam, K.M. 276, 331
- Lam, S.W.C. 694
- Lam, W.C.Y. 1493
- Lamarque, C.H. 785
- Lambert, G. 1103
- Lambert, P. 1281
- Lamiroy, B. 1837
- Landi, L. 1825
- Lane, R.A. 671
- Lang, R.J. 1045
- Lange, E. 290
- Lange, H. 1606
- Langer, M.S. 1723
- Langley, P. 1791
- Lanitis, A. 1051, 1546
- Lanser, S. 1851
- Laplante, P.A. 128, 154, 985
- Lapresté, J.T. 1641, 2109, 2141
- Lasenby, A.(N.) 1090, 1105
- Lasenby, J. 1090, 1105, 2008
- Laskov, P. 335
- Laszlo, M.J. 105
- Latecki, L.(J.) 94, 1160, 1901
- Laugier, C. 1224
- Laumy, M. 2141
- Lauren, P.D. 1882
- Laurendeau, D. 1412, 1759
- Laurentini, A. 1700, 1888
- Laurgeau, C. 1606
- Lavagetto, F. 381
- Lavallee, S. 1394
- Laveau, S. 1749, 1898
- Lavest, J.M. 757, 1641
- Lavoie, P. 1610
- Law, T. 799
- Lawn, J.M. 1941
- Lawrence, S. 311
- Lazard, S. 1227
- Leard, M. 2086
- Leclerc, Y.G. 1683
- Lecourtier, Y. 1165
- Lee, C.H. 281
- Lee, C.K. 877, 897
- Lee, C.N. 703, 1594, 1872
- Lee, C.S. 216
- Lee, C.W. 343
- Lee, J. 593
- Lee, J.C.M. 1352
- Lee, K. 790
- Lee, K.H. 677
- Lee, K.M. 1696

- Lee, M.S. 1983
 Lee, R.M. 567
 Lee, S. 724
 Lee, S.J. 686
 Lee, S.S. 1035, 1469
 Lee, S.U. 1455
 Lee, S.W. 250, 721, 1237, 1274
 Lee, S.Y. 280
 Lee, W.S. 1487
 Lee, Y.H. 1183
 Legat, J.D. 947
 Legrand, E. 553
 Legrand, L. 1959
 Lei, Z. 741
 Leiserson, C.E. 561
 Leitao, J.M.N. 952
 Leite, J.A.F. 1161
 Leite, N.J. 1232
 Lejeune, A. 1616
 Lemaire, J. 1004, 1021
 Le Moigne, O. 1021
 Lengagne, R. 1581, 1607
 Lenz, R. 1108, 1111, 1348
 Leonardis, A. 994, 1237, 1530, 1600, 1800
 Lerasle, F. 303
 Lerner, R. 576
 Leroy, B. 352
 Leshner, C.E. 428
 Leung, C.K. 879, 970
 Leung, J.C.H. 1746
 Leung, T. 649, 1423
 Levialdi, S. 3, 1027, 1043
 Levine, M.D. 55, 205, 975, 1135, 1614, 1647
 Levitt, T.S. 65
 Levoy, M. 1269, 1645
 Lew, M.S. 346, 637
 Leymarie, F. 1749
 Li, B. 696
 Li, C.S. 618
 Li, F. 1566
 Li, H.L. 2087
 Li, J.G. 1698
 Li, L. 1730, 1883
 Li, M. 465, 480, 757
 Li, S. 435
 Li, S.Z. 11, 738, 740
 Li, W. 1357
 Li, X. 274, 1203, 1903
 Li, Y. 729
 Li, Y.M. 859
 Li, Z. 900
 Li, Z.N. 178, 1554, 1557
 Liang, J. 611
 Liang, P. 215
 Liao, C.W. 1637
 Liao, H.Y.M. 334, 1441, 1744
 Liao, S.X. 1081
 Liaw, J.N. 736
 Libby, V. 455
 Liebowitz Taylor, S. 244
 Lilien, R.H. 1419, 1525
 Lilienblum, T. 1602
 Lim, C.S. 591
 Lim, F.L. 185, 2133
 Lim, G. 835
 Lim, J. 2098
 Lim, W.J. 533
 Lin, B. 489

Lin, C. 516, 530	Liu, X. 522, 535, 539, 1521
Lin, C.C. 282	Liu, Y.T. 334
Lin, C.T. 216	Liu, Z. 1828
Lin, D.C. 1037	Liu, Z.Q. 414, 1131
Lin, F. 1079	Lo, Z. 360
Lin, J.C. 1069, 1070, 1233	Lockwood, R.J. 560
Lin, K.N. 1764	Loebl, M. 1209
Lin, R. 927, 1802	Loew, M.H. 254
Lin, S. 1274	Loffeld, O. 388
Lin, S.H. 383	Loh, H.T. 1622, 1624
Lin, S.S. 1652	Longbotham, H.G. 129
Lin, W.C. 282, 927, 1318, 1802	Lopes, A. 964
Lin, W.S. 773	Lopez, A.M. 910
Lin, Y.T. 2063	Lopez Coronado, J. 1741
Lindeberg, T. 707, 812, 1686	Lopez, J.E. 1172
Lindenbaum, M. 911, 1088	Lorraine, J.B. 515
Ling, L. 1786	Lorigo, L.M. 1840
Ling, P.D. 701, 702, 705	Lowe, C.J. 458
Ling, Z. 1361	Lowe, D.G. 1414
Lingrand, D. 1989, 2015	Lox, B.F. 1555
Liou, J.J.H. 1829	Lozano, V. 1283
Lippman, A. 653, 963	Lu, C.S. 1744
Lipson, H. 1709	Lu, J. 1226, 1724
Little, J. 1724	Lu, S. 1773
Little, T.D.C. 612	Lu, S.W. 1360
Littmann, E. 829	Lucas, Y. 1820
Litwinowicz, P.C. 2094	Lucchese, L. 1459
Liu, F. 1302	Lucido, L. 1456
Liu, H. 1942, 2011, 2026	Luckraft, I.C. 409
Liu, J.D. 1787	Luettin, J. 320, 363
Liu, J.F. 1352	Lugosi, G. 229
Liu, K. 1060	Lulich, D.P. 568
Liu, N. 1701	Lumia, R. 407
Liu, T.L. 917, 1526	Luo, A. 1590

- Luo, R.C. 425
 Luong, Q.T. 116, 758, 1541, 1973
 Luostarinen, J. 187
 Lursinsap, C. 329

 Ma, C.H. 1492
 Ma, C.M. 1901, 1905, 1907
 Ma, S. 1473
 Ma, S.D. 709, 715, 759, 931, 1501, 1730, 1883
 Ma, W.Y. 557, 1340, 1343
 Maass, W. 1057
 Macaire, L. 1286
 MacGregor, R.M. 523
 Machover, C. 1757
 Macq, B. 962
 Madsen, C.B. 1879
 Madych, W.R. 162
 Mae, Y. 2123
 Maeda, A. 4
 Maeda, J. 954
 Maggs, B.M. 1539
 Magnenat-Thalmann, N. 381
 Magnin, I.E. 868, 871
 Magnolfi, R. 286
 Mai, K. 631
 Maintz, J.B.A. 1411
 Maio, D. 1223
 Maitre, H. 553, 1687
 Makarov, A. 2055
 Maki, A. 1016
 Malgouyres, R. 1912
 Malik, J. 649, 1423, 1567, 1721
 Malladi, R. 163, 165, 169, 1128, 1149

 Mallat, S. 695
 Maloof, M.A. 72, 906
 Malov, V.I. 1601
 Maltone, D. 1223
 Malvig, K.E. 1644
 Manabe, Y. 1276
 Mandal, D.P. 512
 Mandell, R.B. 1646
 Mandow, A. 416
 Manduchi, R. 1570
 Maniere, T. 1582
 Manjunath, B.S. 557, 783, 869, 950, 1340, 1343
 Manmatha, R. 626, 629
 Mann, R. 2039
 Mann, W.B. 1836
 Manolakos, E.S. 830, 971
 Manolopoulos, Y. 1028
 Marabini, R. 1078
 Maragos, P. 161, 170, 675
 Marapane, S.B. 439
 Marcelli, A. 1048
 Marchal, P.R. 597
 Marchand, E. 997
 Marchand-Maillet, S. 1198
 Marchant, J. 2102
 Marchant, J.A. 1238, 1479, 1772
 Maresca, M. 559, 564
 Margolin, G.L. 1096
 Mari, M. 938
 Marichal, X. 962
 Marosi, G. 1612
 Marques, J.S. 890
 Marques dos Santos, J.C. 1658

- Marquet, P. 588
 Marsh, R. 277
 Marshall, G. 933
 Marszalec, E. 1279
 Marthon, P. 964
 Martin, W.N. 1930
 Martínez, J. 1100
 Martinez, J.L. 416
 Martínez-Perez, M.E. 968
 Marugame, A. 1608
 Marzani, F. 1959
 Marzano, P. 704
 Massip-Pailhes, L. 1439
 Massof, R.W. 201
 Masten, M.K. 453
 Mastrovito, C. 823
 Masuda, T. 1653
 Matalas, I. 1351
 Matas, J. 1019
 Matey, J.R. 273
 Mathieu, C.E. 868
 Mathur, B. 221
 Matsui, T. 2046
 Matsuo, H. 1864
 Matsushita, Y. 1239
 Matsuura, T. 1579
 Matsuyama, T. 1005
 Mattioli, J. 1356
 Maurer, M. 441
 Maver, J. 1007
 Maxwell, B.A. 1256, 1266
 Maybank, S.J. 1076, 2112
 Mayer, H. 847
 Mayhew, J.E.W. 1568
 Maynard, E.M. 203
 Mayr, W. 1798, 1866
 Mayya, N. 1030
 McAndrew, A. 119
 McBride, S.E. 273
 McFee, J.E. 458
 McGlone, C. 513
 McKee, D.C. 490
 McKee, G.T. 38
 McKeown Jr., D.M. 513, 519
 McLauchlan, P.F. 756
 McLean, A. 1210
 McLean, G.F. 1106, 1746
 McMahill, J. 513, 519
 McReynolds, D.P. 1414
 Mech, R. 261
 Mecke, R. 2050
 Mecocci, A. 1499, 1745
 Medioni, G. 60, 79, 1125, 1617, 1636, 1637,
 1638, 1648, 1712, 1722, 1810, 1818,
 1983
 Meer, P. 1147
 Meghini, C. 608
 Megiddo, N. 1278, 1285
 Mehrotra, R. 777
 Mehta, P.A. 279
 Mehtre, B.M. 1241
 Mel, B.W. 1850
 Melchert, W. 598
 Melkemi, K. 1665
 Melkemi, M. 1665
 Melter, R.A. 94
 Memin, E. 1953
 Menard, C. 1600

- Menendez, J.M. 1969
- Meng, W.Y. 375
- Menon, R.P. 655
- Mercer, C. 1649
- Mérigot, A. 586
- Merlet, N. 895
- Merron, J. 815
- Merry, M.S. 1463
- Mesmin, C. 1165
- Messing, L. 335
- Mester, R. 2049
- Metaxas, D. 307, 313, 1762, 1776, 1795
- Meth, R. 525
- Metivier, Y. 1062
- Mettala, E. 426
- Meunier, B. 366
- Meyer, F.G. 2122
- Meyer, G.E. 259
- Meyer, M. 2049
- Meyrowitz, A.L. 410
- Mian, G.A. 1398, 1400
- Mich, O. 265
- Michaelis, B. 1602, 2050
- Michaelis, M. 324
- Michalski, R.(S.) 72, 906
- Miché, P. 1553
- Michel, J. 477
- Michel, S. 644
- Michelson, R.C. 410
- Migliardi, M. 564
- Miguét, S. 98
- Miike, H. 1667
- Mikhalevich, B.O. 1601
- Milanese, R. 413, 654, 2107
- Milanfar, P. 1471
- Miller, J. 631
- Miller, J.V. 1642
- Miller, M.I. 1407
- Miller, M.L. 647
- Miller, R. 558
- Milroy, M.J. 1625
- Minka, T.P. 632, 650
- Minoh, M. 882
- Mirelli, V. 488
- Mirzaian, A. 1225
- Mital, D.P. 11
- Mitchell, B.T. 427
- Mitchell, J.L. 380
- Mitiche, A. 2021
- Mitsumoto, H. 275
- Mitter, S.(K.) 811, 909
- Miura, J. 2123
- Miyasato, T. 322
- Mizoguchi, M. 444
- Mizutani, E. 230
- Mizutani, H. 1860
- Modayur, B.P. 1846
- Moga, A.N. 956
- Moghaddam, B. 305, 315, 1424, 1445
- Moh, J. 269
- Mohr, R. 634, 651, 772, 1058, 1682
- Mokadem, A. 1433
- Mokhtarian, F. 1527
- Molina-Gamez, M.C. 1531
- Molinelli, D. 642
- Monga, O. 928, 1581, 1607
- Montanvert, A. 98, 908, 945, 1202
- Montesinos, P. 928, 929

Monti, C. 1459	Mukhin, Y.V. 117
Montiel, M.E. 1129, 1494, 1502	Mukundan, R. 1874
Moon, Y.S. 591	Müller, C. 1470
Moons, T. 1058, 1063, 1086, 1087, 1559	Muller, J.P. 507
Morales, A. 677	Muller, S. 1749
Moran, W. 787	Müller, V. 1263
Morel, J.M. 831	Mullick, R. 857, 1875
Morgan, F. 115	Mumford, D. 848, 1307
Mori, M. 1603	Mundy, J.(L.) 67, 514, 576
Mori, S. 247	Murakami, M. 1101
Morimoto, C. 341, 1922, 1955	Murase, H. 284, 813, 1046, 1275, 1834
Morin, L. 1058	Murata, A. 1737
Morishima, S. 339	Murino, V. 852, 984
Morita, T. 2138	Murphy, R.R. 1415
Morris, Q. 2037	Murray, D.W. 756, 1971, 2076
Morrison, M.W. 969	Murthy, C.A. 512
Mortensen, H.B. 575	Mussio, P. 1002
Moscheni, F. 949	Mustafa, A.A.Y. 1853
Mosquera, A. 1317	Myles, Z. 2002
Moss, J.E.B. 628	Myung, Y.C. 1748
Mossé, D. 1009	
Mottl, V.V. 1314	Nabil, M. 622
Mou, Z.J.A. 592	Nacken, P.F.M. 666
Mount, D.M. 1055	Nadabar, S.G. 797
Moura, J.M.F. 2052	Nadadur, D.C. 535
Moysan, J. 871	Nagai, A. 2065
Mozef, E. 1231	Nagao, K. 2126
Muñoz, V.F. 416	Nagao, M. 979
Muchnik, I.B. 1314	Nagata, T. 1549, 1863, 1873
Mukaigawa, Y. 376	Nagaya, S. 437
Mukherjee, A. 546	Nagel, H.H. 451, 2108, 2110
Mukherjee, D.P. 1059	Nair, D. 485, 491
Mukherjee, J. 1026	Nair, P.S. 1475
Mukherjee, M. 1809	Najera, J. 1224

- Najim, M. 946
 Najman, L. 898
 Nakagawa, S. 358
 Nakamae, E. 1272
 Nakamura, A. 123
 Nakamura, Y. 1162, 1579
 Nakanishi, M. 1488
 Nakano, Y. 278
 Nakatsu, R. 322, 2127
 Nakayama, J. 1807
 Nakazawa, Y. 774, 2146
 Namazi, N.M. 1929
 Nanamegi, H. 1863
 Nandhakumar, N. 421, 464, 477, 1551, 1560, 1882, 1926, 1930, 2024
 Nandy, D. 805, 819
 Nappi, M. 823
 Nardelli, E. 1028
 Narenthiran, N. 1258
 Nashman, M. 407
 Nasrabadi, N.M. 130, 159, 488
 Nastar, C. 315, 1424, 1445, 2093
 Navab, N. 125
 Nayar, S.K. 64, 181, 183, 813, 1046, 1577, 1632, 1643, 1814, 1834
 Nee, A.Y.C. 1622, 1624
 Negahdaripour, S. 1915
 Nelson, R.(C.) 76, 987, 1835, 2096
 Nene, S.A. 1834
 Neri, A. 1482
 Nesi, P. 1925
 Netanyahu, N.S. 1159, 1212
 Netravali, A.(N.) 106, 124, 1977, 2083
 Nettleton, D.J. 1031
 Neuhoff, D. 159
 Neumann, B. 1018
 Neumann, H. 829
 Neuvo, Y. 161
 Nevatia, R. 60, 79, 518, 524, 528, 530, 531, 1691, 1692, 1707, 1877
 Newman, M. 120
 Ng, C.K.Y. 563
 Ng, H.N. 1758
 Ng, K.C. 448
 Ng, W.S. 897
 Ngo, C.W. 2131
 Ngoi, K.P. 915, 1244
 Ngu, A.H.H. 622
 Nguyen, Q.L. 1614
 Nguyen, T. 298
 Nho, S.G. 720
 Niblack, W. 1278
 Nickolay, B. 390, 684
 Nielsen, M. 808
 Niem, W. 1750
 Niemann, H. 1001, 1609, 2054, 2090
 Nieminen, S. 1279
 Niessen, W.J. 919
 Nikolova, M. 745
 Nishida, H. 1120
 Nishihara, S. 1736
 Nishii, W. 1954
 Nishimura, K. 1728
 Nishimura, T. 437
 Nishita, T. 1272
 Nitzberg, M. 848
 Nivat, M. 2
 Nixon, M.S. 326, 1129, 1380, 1494, 1502

Niyogi, D. 248
 Noble, J.A. 1366
 Noda, H. 1373
 Nogly, D. 1207
 Noguchi, M. 1632
 Noll, D. 415
 Noll, J. 1103
 Nölle, M. 587
 Noltemeier, H. 396
 Nomura, Y. 1881, 1884
 Nordberg, K. 842
 Nordlund, P. 1016, 2079
 Normann, R.A. 203
 Noronha, S. 531
 Nosi, P. 286
 Nourbakhsh, I.R. 430
 Nozaki, S. 437
 Nunes, L.B. 1949

 Oberkampf, D. 1870
 O'Connell, M. 594
 O'Connor, N. 2144
 Oda, K. 1574
 O'Donnell, T. 2117
 Ogniewicz, R.L. 1184
 O'Gorman, L. 359, 1413
 Ogura, T. 1488
 Oh, J.H. 2080
 Oh, W.G. 1203
 Ohba, K. 1856
 Ohnaka, S. 444
 Ohnishi, N. 1264
 Ohta, M. 1608, 1611
 Ohta, Y. 376, 1162, 1579, 1586

 Ohya, J. 355, 2127
 Oja, E. 1333
 Ojala, T. 1279, 1326
 Oka, E. 1476
 Oka, R. 437
 Okatani, T. 1735
 Okazaki, S. 582
 Olariu, S. 1083
 Olatunbosun, S. 1461
 Oldham, W.J.B. 892
 Oleynik, S.V. 1601
 Olfe, D.B. 108
 Oliensis, J. 1988, 1999
 Olk, J.G.E. 581
 Olkkonen, H. 692
 Olson, C.F. 1418, 1419, 1484, 1524, 1525, 1841
 Olson, T.J. 421, 560
 Olstad, B. 1148
 Olver, P.J. 921
 Omohundro, S.M. 647
 Oncina, J. 1230
 O'Neill, M. 1545
 Ong, S.H. 1516, 1521
 Onishi, H. 1460
 Onoguchi, K. 2044
 Onuma, C. 342
 Onyango, C.M. 1238, 1772
 Oosterlinck, A. 771, 1063, 1657, 1674
 Opderbecke, J. 1456
 Orrite, C. 1172
 Ortiz, S. 39
 Orwell, J.M. 1947
 Osborne, C. 119

Osman, H. 497
 Ostuni, J. 1927
 Otsu, N. 290
 Otterbach, R. 1517
 Ouali, M.H. 1606
 Owen, J.C. 761, 1634, 1790

 Paeth, A.W. 103
 Pahlavan, K. 976
 Pai, C. 1732
 Paillou, P. 1550
 Pajdla, T. 1800
 Pal, N.R. 872
 Pal, S.K. 218, 512
 Pala, P. 639, 645
 Palaniswami, M. 1627
 Palichenka, R.M. 786
 Palmer, P.L. 851
 Palomino, A. 1110
 Panayirci, E. 776
 Panchanathan, S. 132
 Pandzic, I.S. 381
 Panerai, F. 2142
 Paoli, A. 1499
 Papachristou, P. 838
 Papademetris, X. 1961
 Papadimitriou, D.V. 1556
 Papadopoulo, T. 1994
 Papathomas, T.V. 198
 Pape, D.R. 172
 Paragios, N. 2056, 2124
 Parida, L. 920
 Park, J. 1358
 Park, K.H. 281

Park, K.R. 703
 Park, R.H. 280, 1455, 1457, 1664, 1918
 Park, S.H. 591
 Park, S.K. 16
 Parke, F.I. 263
 Parkkinen, J. 187, 1348
 Parkkinen, S. 187
 Parodi, P. 1689, 1706
 Parui, S.K. 546, 1199, 1374
 Parvin, B. 1617
 Pasko, A.A. 1781
 Patras, I. 1946
 Patrikalakis, N.M. 1179, 1783
 Patton, R. 473
 Pau, L.F. 177, 384
 Paulus, D. 1609, 2054
 Paumard, J. 550, 555
 Pauwels, E.(J.) 940, 1063, 1559
 Pavesic, N. 547
 Pavlidis, T. 1391
 Pavlovi, V.I. 360
 Pawlak, M. 1081
 Payne, M. 862
 Payton, P. 1084
 Pearlman, W.A. 1300
 Pearson, J. 468
 Pearson, J.C. 1792
 Pedarce, T. 1820
 Pedersen, H.K. 1309, 1311
 Pedersini, F. 2017, 2060
 Pedrycz, W. 234
 Pei, S.C. 727, 1130, 1485
 Peixoto, P. 2125
 Peleg, S. 74, 1935, 1945, 2106

- Pelillo, M. 238
 Pellegrini, M. 1220
 Penafiel, P.B. 1929
 Pendock, N.E. 870
 Peng, J. 496, 900, 905, 922
 Pennec, X. 1306
 Pentland, A.(P.) 291, 297, 305, 315, 348, 351, 361, 605, 609, 1424, 1445
 Pereira, M.S. 830
 Peremans, H. 433
 Perens, B. 723
 Pérez, P. 941, 972, 1953, 2056, 2140
 Perona, P. 312, 350, 800, 2004, 2121
 Persoon, E. 2068
 Pesola, P. 692
 Pessoa, L. 829
 Peterson, L.M. 179
 Petitjean, S. 1886
 Petriu, E. 1610
 Petrou, M. 838, 1325, 1359, 1397, 1496
 Petrov, A.P. 122
 Peura, M. 552
 Philipp, S. 967, 1379
 Phillips, J. 360
 Phillips, P.J. 285, 1534
 Philomin, V. 1159
 Phoha, V.V. 892
 Piamsa-Nga, P. 594
 Picard, R.W. 605, 609, 632, 650, 678, 1302, 1322
 Piccardi, M. 1503
 Piccioli, G. 1706
 Pichler, O. 1328
 Pieczynski, W. 974
 Piegler, L.A. 733
 Pien, H.H. 1702
 Pietikäinen, M. 384, 1279, 1326
 Pikaz, A. 873, 1134
 Pilu, M. 1154, 1175, 1717
 Pingali, S.(G.) 327
 Pinho, A.J. 844, 845
 Pinz, A. 549, 1803
 Pissaloux, E. 957
 Pitas, I. 161, 333, 371, 680, 1246, 1495
 Pito, R. 1008, 1670
 Pla, F. 1116, 1167
 Plamondon, R. 246
 Poggio, T. 63, 204, 296, 1720
 Polis, M.F. 513, 519
 Pollefeys, M. 771, 1984
 Pomerleau, D.(A.) 406, 431
 Ponce, J. 766, 1752, 1753, 1998
 Pong, T.C. 1979, 2043
 Popov, A.T. 1102
 Porrill, J. 1568
 Porter, R. 887
 Portillo-Garcia, J. 1385
 Postaire, J.G. 1286, 1552
 Potlapalli, H. 425
 Power, J.L. 1271
 Prantl, M. 549
 Prasanna, V.K. 565, 806, 902
 Pratikakis, I. 1395
 Preteux, F. 142, 716
 Price, K. 60
 Prince, J.L. 924, 1964
 Probert, P.J. 1620
 Proesmans, M. 1087, 1559, 1657, 1674, 1984

- Proesmans, N. 1559
 Proffitt, D.R. 1335
 Proietti, G. 1028
 Prokopowicz, P.N. 316
 Provan, G. 1791
 Prusinkiewicz, P. 261
 Pujari, A.K. 722
 Puliafito, A. 858
 Pulli, K. 1862
 Pun, L.K.L. 563
 Pun, T. 413, 617, 654, 2107
 Puppo, E. 704, 1775
 Puzicha, J. 1382
 Pycock, D. 9
 Pye, C.J. 702

 Qi, X. 1903
 Qian, R.J. 795, 1420
 Qiang, L.Z. 1377
 Qin, H. 1785
 Qing, L. 1377
 Qiu, P. 789
 Quan, L. 748, 1704, 2003
 Quinn, A. 1378
 Rabbitt, R.D. 1407
 Rabinovich, I. 359
 Raghavan, P. 1426
 Raghu, P.P. 1365
 Raghunath Rao, K. 482, 801, 805
 Rahdert, D.A. 1777
 Rahmel, J. 1403
 Rajan, V.T. 1030
 Ram, G. 1211
 Ramadge, P.J. 1958

 Ramakrishnan, K.R. 1874
 Ramamoorthy, B. 1330
 Ramana, K.V. 1330
 Ramella, G. 1188
 Rampini, A. 505
 Ranganathan, N. 584, 596
 Rangarajan, A. 735, 1507, 1510
 Rannou, F. 1132
 Rao, A. 723
 Rao, K. 71, 536
 Rao, R. 1854
 Rao, R.K. 819
 Rao, S.B. 937, 1539
 Rappoport, A. 1782
 Ravela, S. 626, 629, 2098
 Ravishankar Rao, A. 385
 Raviv, D. 2001
 Ray, A.K. 1332
 Razaz, M. 960
 Rebuffel, V. 2013, 2042
 Reddy, B.S. 1406
 Reeves, D.S. 566
 Refregier, P. 389, 1458
 Regazzoni, C.S. 685, 852, 984, 2069
 Regincós-Isern, J. 1280
 Reid, I.(D.) 749, 750, 2076, 2114
 Reid, J.F. 1249
 Reinhardt, J.M. 1041, 1044
 Reisfeld, D. 283, 791, 814, 817
 Reissell, L.M. 1121
 Rekleitis, I.M. 1967
 Rendon, E. 1969
 Reyda, J. 1589
 Reynard, D. 2102

- Reynolds, H. 1136
Rhee, Y. 593
Ribeiro, M.I. 1650, 1671
Rice, D.S. 592
Richardson, T.J. 1119
Richardt, J. 1470
Rieder, A. 1599
Riesenfeld, R.F. 1790
Rigaud, V. 1456
Rigoll, G. 382
Ringach, D.L. 166
Riocreux, P.A. 595
Riordan, V. 862
Rioux, M. 1672
Riseman, E.(M.) 58, 517, 532, 533, 626, 628, 629, 980
Ristic, M. 1452
Ritter, H. 1861
Rives, G. 303
Rivest, J.F. 1295
Rivlin, E. 998, 1009, 1092, 2028, 2033
Rizki, M.M. 467
Rizzi, S. 1223
Rizzo, J. 202
Robert, F. 785
Robert, L. 747, 1542, 1569, 1749, 1975
Roberto, V. 3, 6
Roberts, B. 471, 474
Robertson, G. 301
Robinson, D.J. 1784
Robinson, J.J. 1056
Rodehorst, V. 1598
Rodriguez, E.J. 1142
Roeder, N. 274
Rogers, S.K. 208
Roggemann, M.C. 155
Rogowitz, B.E. 190
Rohr, K. 818
Roli, F. 981
Romanik, K. 1228
Romano, R. 296
Ronfard, R. 1145
Rong, S. 484, 487
Ronse, C. 668
Ronsin, J. 676, 1357
Roose, D. 1176
Rosario, D. 498
Rosenblum, M. 287, 417
Rosenfeld, A. 2, 51, 62, 72, 82, 114, 516, 1159, 1163, 1192, 1212, 1324, 1327, 1913, 1921, 2033
Rosenholtz, R. 1726
Rosin, P.L. 779, 1124
Rossi, K. 1292
Rossignac, J.R. 1780
Roth, Z.S. 755
Rothe, I. 1082
Rothwell, C.(A.) 1058, 1528, 1811, 1894
Rotstein, H.P. 998
Rougeaux, S. 764
Rougon, N. 716
Rousso, B. 1935, 1945
Roux, C. 840
Roux, M. 513, 1454
Rowe, S. 2081, 2113
Rowley, H.A. 294, 309
Roy, S. 1951
Rubner, Y. 1341

- Ruck, D.W. 208
 Rudin, L. 1960
 Rudin, L.D. 40
 Rudshtein, A. 1088
 Rüedi, P.F. 597
 Rui, Y. 944
 Ruichek, Y. 1552
 Ruiz, J. 372
 Runnacles, B.S. 1380
 Ruskoné, R. 493
 Russ, T.A. 523
 Ryu, S.H. 1740

 Sabata, B. 2074
 Saber, E. 356, 652, 1234
 Sadjadi, F.A. 52, 456
 Sagerer, G. 1020
 Saha, P.K. 1891, 1902
 Sahabi, H. 1538, 1595
 Sahasrabudhe, S.C. 1477
 Saheb, N. 1062
 Saic, S. 1080
 St. Pierre, E. 180
 St. Pierre, M.A. 561
 Saito, H. 1603
 Saito, T. 774, 2146
 Saito, Y. 2072
 Saitoh, Y. 1662
 Sajda, P. 1792
 Sakaguchi, T. 339
 Sakai, R. 284
 Sakaida, Y. 1881, 1884
 Sakamoto, M. 1909
 Sakauchi, M. 571, 619

 Sakaue, K. 1653
 Sako, H. 354
 Salari, E. 1361
 Salemi, B. 523
 Salesin, D.H. 708, 1271
 Salgado, L. 1969
 Sallam, M. 1451
 Salvatore, U. 1745
 Samarasekera, S. 855
 Samet, H. 623, 638, 1023
 Samil, A. 267
 Sanchez, J. 109
 Sanchiz, J.M. 1167
 Sandini, G. 57, 1978, 2142
 Sandoval, F. 188
 Sankur, B. 796
 Sanniti di Baja, G. 1052, 1181, 1201
 Sanocki, T. 810
 Sansone, C. 1515
 Santini, S. 633, 1432
 Santos, J.A. 1949
 Santos-Victor, J. 1950, 1978
 Sanz, J.L.C. 1142, 1925
 Sapiro, G. 166, 168, 907, 921, 925, 951, 1126
 Saquib, S.S. 744
 Sargent, J.(D.) 515, 521
 Sarkar, D. 1039
 Sarkar, S. 541, 810
 Sarpeshkar, R. 1920
 Sarti, A. 2017, 2060
 Sasti, M.A. 1074
 Sato, J. 1094
 Sato, K. 1663, 2135
 Sato, M. 712, 846, 936, 1344

- Sato, Y. 1236, 1615, 1661
 Satoh, K. 1579, 1586
 Satou, T. 571
 Sauer, K. 744
 Saunders Jr., A.T. 1475
 Sawasaki, N. 2138
 Sawhney, H.S. 2029
 Sbert, C. 907
 Schafer, R.W. 1405
 Schalkoff, R.J. 1621
 Scharstein, D. 1576, 1580
 Scheich, H. 827
 Schenkat, L. 1635
 Schenker, P.S. 38
 Schettini, R. 1282
 Schiele, B. 1529, 1858
 Schiller, R. 1085
 Schilling, A. 1290
 Schiztad Solberg, A.H. 1345
 Schladt, M. 1207
 Schless, V. 2054
 Schlicher, M.P.P. 1799
 Schlick, C. 1788
 Schlüns, K. 47, 1847
 Schmid, C. 634, 651
 Schmitt, M. 898
 Schneiderman, H. 407
 Schnelting, O. 2050
 Schofield, A.J. 279
 Scholz, T.J. 144
 Schon, J.P. 2148
 Schowengerdt, R.(A.) 505, 731
 Schreiber, G. 587
 Schreiber, I. 1815
 Schröder, C. 1018
 Schroeter, P. 2051
 Schuierer, S. 1228
 Schulten, K. 360
 Schultz, H. 532, 533
 Schuster, G.M. 1171
 Schuster, M. 382
 Schutte, K. 1446
 Schutz, M. 2062
 Schwartz, E.L. 1429
 Schwartz, O. 1378
 Schweitzer, H. 1997
 Schwickerath, A.N.A. 1417, 1431
 Schwing, J.L. 1083
 Sclaroff, S. 609
 Scott, P.D. 1536
 Sederberg, T.W. 1761
 Seed, L. 671
 Segen, J. 327
 Seiffert, U. 2050
 Seitz, P. 841
 Seitz, S.M. 726, 1801
 Seki, H. 799
 Sellen, J. 1221
 Seneviratne, L.D. 1890
 Sengupta, K. 1805
 Seo, Y. 2014
 Sequeira, J. 1173
 Sequeira, V. 1650, 1671
 Serbin, S. 1505
 Serpico, S.B. 981
 Serra, J.R. 1370
 Serrat, J. 910
 Sery, F. 964

- Sethi, I.K. 599
- Sethian, J.A. 163, 165, 169, 1128, 1149
- Sezan, M.I. 131, 2075, 2145
- Shafer, S.A. 1256, 1266
- Shaffer, A. 1782
- Shah, J. 1150, 1170, 1702
- Shah, M. 1535, 1680, 2023
- Shah, S. 205, 753
- Shaked, D. 1126, 1177, 1462
- Shakunaga, T. 481, 486
- Shao, L. 1122
- Shao, Z. 1513
- Shapiro, L.G. 1504, 1846, 1853, 1862
- Shapiro, L.S. 1970, 1971
- Shapiro, V.A. 1468
- Sharaiha, Y.M. 1198
- Sharir, M. 1208, 1760
- Sharma, R. 360, 2030
- Sharma, S. 1916
- Shashua, A. 125, 1563, 1899, 1900, 1935, 1945
- She, A.C. 944
- Sheehy, D.J. 1784
- Shekarforoush, H. 1430, 1690
- Shekhar, C. 525, 577, 583, 783
- Shen, D. 1097
- Shen, J. 778, 782, 1097, 1550
- Shen, L.J. 375
- Shepherd, J. 622
- Sherbrooke, E.C. 1179, 1783
- Sherstinsky, A.S. 678
- Sheu, H.T. 784, 1892
- Shevgaonkar, R.K. 1477
- Shi, J.Y. 700
- Shih, F.Y. 269
- Shih, S.W. 773
- Shimazu, Y. 1239
- Shimohara, K. 370
- Shimosakoda, Y. 358
- Shimshoni, I. 1684, 1852
- Shin, C.W. 2010
- Shin, S.Y. 84, 724
- Shiota, T. 848
- Shioyama, T. 1731
- Shirai, Y. 2027, 2065, 2123
- Shirazi, M.N. 1373
- Shneier, M. 624
- Shpitalni, M. 1709
- Shufelt, J.A. 513, 537
- Shum, H.Y. 1789, 1797, 1933
- Sid-Ahmed, M.A. 151, 1518
- Siddiqi, K. 926, 1118, 1152
- Siddiqi, M.U. 669, 688, 689
- Sidiropoulos, N.D. 674
- Siejko, K. 469
- Sieverding, P. 1848
- Sijstermans, F. 132
- Silfsten, P. 187
- Silva, C. 1950
- Silva, J.A. 1658
- Silvén, O. 767, 1976
- Silverman, R. 1055
- Sim, D.G. 1455, 1457, 1664
- Sim, P.G. 1918
- Sim, Y.S. 591
- Simoncelli, E.P. 679, 843, 1640
- Simper, A. 1453
- Simpson, P.K. 217

- Simsarian, K.T. 421
 Sinclair, D. 1353, 1974, 2115, 2132
 Singh, B. 669, 688, 689
 Sinha, D. 128, 985
 Sinusas, A.J. 2122
 Sirakov, N.M. 1806
 Sirat, J.A. 556
 Siskind, J.M. 2037, 2039
 Sitnik, M. 374
 Sivakumar, K. 1298
 Sivaramakrishna, R. 885
 Slater, D. 1251, 1268
 Small, C.G. 1022
 Smeulders, A.W.M. 580, 636, 849
 Smith, A.V.W. 354
 Smith, J.R. 659
 Smith, M.A. 606
 Smith, M.J.T. 136, 159
 Smith, P.W. 1560
 Smith, S.M. 2047
 Smith, T.R. 607
 Smits, P.C. 939
 Smoliar, S. 150
 Snir, M. 113
 Soatto, S. 2004, 2121
 Sobottka, K. 333, 371
 Socher, G. 1020
 Soffer, A. 623, 638
 Sohn, K.(H.) 1174, 1522
 Soille, P. 670, 681, 1295
 Solaiman, B. 1387
 Soletic, M. 2068
 Solina, F. 1, 14, 648
 Solo, V. 746
 Solomon, F. 1708
 Solomon, S.S. 393
 Somani, A.K. 574
 Sommer, G. 324, 1090, 1105, 1587, 2008
 Somorjai, R.L. 883
 Song, K.Y. 1359
 Sonka, M. 1905
 Sorel, Y. 590
 Sossa, H. 1110, 1823
 Soucy, M. 1412, 1672, 1759
 Soumekh, M. 148
 Sourin, A.I. 1781
 Southwell, D. 1589
 Sozou, P.D. 1051
 Sparr, G. 2007
 Späth, H. 107, 1115
 Speigle, S.A. 399
 Speis, A. 1336, 1337
 Spence, C. 1792
 Spieth, M.R. 589
 Spiller, K. 1598
 Spinu, C. 820, 1002
 Spirig, T. 841
 Sporrington, J. 710
 Squire, D. 617, 654
 Sridhar, B. 1633, 2000
 Srihari, R.K. 534
 Srihari, S.N. 248
 Srimani, P.K. 218
 Srinivasan, M.V. 434
 Srinivasan, V. 1516
 Srirani, R. 1300
 Staffetti, E. 1100
 Stage, B. 1675

- Staib, L.H. 849
 Stark, K. 2137
 Stark, L. 1822
 Stark, S. 761
 Staunton, R.C. 1186
 Stavridi, M. 1261, 1321, 1749
 Steenvoorden, G.K. 1656
 Steger, C. 824, 914
 Stein, F. 1818
 Steinbach, E. 2016
 Steiner, A. 1158
 Steinmetz, M. 1750
 Stella, E. 440
 Stern, G. 335
 Stern, J. 1894
 Stevens, M.R. 475, 476, 492
 Stevens, S.M. 606
 Stevenson, R.L. 131, 133
 Stewart, A.J. 1723
 Stewart, C.V. 1544, 1642
 Stiehl, S. 196
 Stiller, C. 2059
 Stivaros, C. 1219
 Stockman, G.(C.) 1763, 1774, 1842, 1876
 Stockum, L.A. 453
 Stoddart, A.J. 1444, 1449, 1639, 1668
 Stöhr, M. 1859
 Stojmenovic, I. 1906
 Stolle, F.(R.) 517, 532
 Stollnitz, E.J. 1271
 Stonham, T.J. 279, 1355, 1376
 Stork, D.G. 232
 Stout, Q.F. 558
 Stoyenko, A.D. 128, 154
 Strackee, J. 739
 Strasser, W. 83, 1289, 1290
 Strat, T. 520
 Strauss, O. 1500
 Stricker, M. 540
 Strintzis, M.G. 1604, 1968
 Stromberg, A.J. 1159
 Sturm, P. 1995
 Su, C.L. 329
 Suñe, J.L. 2013
 Subirana-Vilanova, J.B. 1370, 1531
 Subrahmanian, V.S. 613
 Subrahmonia, J. 1832
 Suen, C.Y. 250, 1060
 Sugimoto, A. 1817
 Sugiyama, T. 826
 Suk, T. 1067, 1080
 Sukanya, P. 846, 1344
 Sukhaswami, M.B. 722
 Sull, S. 2000
 Sullivan, G.D. 432, 462, 2112
 Sun, C.T. 230
 Sun, Y. 2018, 2147
 Sundareswaran, V. 1917
 Sussa-Azuela, J.H. 1068
 Süsse, H. 1082, 1157
 Suter, D. 1962
 Suzuki, H. 1460
 Suzuki, S. 345
 Suzuki, Y. 954
 Svetkoff, D.J. 394
 Swain, M.J. 57, 316
 Swanson, M.D. 658
 Swets, D.L. 289

- Syeda-Mahmood, T.F. 1277, 1438
 Szabo, S. 2026
 Szeliski, R. 1270, 1394, 1576, 1578, 1933, 1986
 Szirnyi, T. 943
 Szoplik, T. 661
 Szu, H.H. 139
 Szummer, M. 650, 1322

 Tabbone, S. 788
 Tafuri, M. 1354
 Taira, R.K. 621
 Takacs, B. 362, 1010
 Takamatsu, R. 712, 846, 936, 1344
 Takatoo, M. 342
 Takeda, N. 2044
 Takemura, H. 325, 345
 Talluri, R. 1833
 Tambouratzis, T. 1694
 Tamburino, L.A. 467, 682
 Tamura, S. 275, 1615
 Tan, S. 1521
 Tan, T.N. 432, 462
 Tan, Y. 1824
 Tan, Y.P. 383, 1958
 Tanaka, H.T. 353, 1728
 Tanaka, K. 1734
 Tanaka, M. 1574
 Tanaka, T. 1264
 Tang, L.(A.) 268, 357, 367
 Tang, Y.L. 2084
 Tang, Y.Y. 250, 721
 Taniguchi, R. 828
 Tanimoto, S. 1504

 Tannenbaum, A.(R.) 164, 921, 1924
 Tanuma, H. 1344
 Tao, B. 657
 Tao, H. 728
 Tao, W. 1590
 Tarabanis, K.(A.) 990, 1889
 Tardon-Garcia, L.J. 1385
 Tarel, J.P. 1533
 Tarhio, J. 1401
 Tari, F. 1765, 1766
 Tarroux, P. 1369
 Tascini, G. 6
 Tashiro, A. 1677
 Tatsuno, Y. 345
 Taubin, G. 1145, 1793
 Taxt, T. 249
 Taylor, C.J. 1051, 1436, 1546, 1721, 1771, 1839
 Taylor, J.R. 560
 Teeters, J. 220
 Tekalp, A.M. 356, 635, 652, 1234, 2075, 2145
 Telfer, D. 1377
 Teo, P.C. 683
 Teoh, E.K. 11, 1628, 1869
 ter Haar Romeny, B.M. 717
 Terzopoulos, D. 1785
 Tescher, A.G. 29, 138
 Teschioni, A. 2069
 Teuner, A. 1328
 Tewfik, A.H. 658
 Thacker, N.A. 320, 363, 671
 Thanailakis, A. 2085
 Thayer, S.M. 1597

- Thevenaz, P. 1450
 Thiel, E. 1181
 Thiesse, B. 1442
 Thirion, J.P. 1393, 1427, 1767, 1908
 Thomanek, F. 441
 Thomas, B.T. 442
 Thomas, F. 1100
 Thomas, I. 2104
 Thompson, W.B. 73, 761, 1634, 1790
 Thonnat, M. 583, 2067, 2069
 Thornton, K.(B.) 522, 535
 Thorpe, C.E. 431
 Thourel, P. 972
 Tian, T.Y. 1944, 2023
 Tian, Y.L. 1729, 1739
 Tisserand, E. 1231
 Tistarelli, M. 1934
 Tobin, K.W. 959
 Tock, D. 272
 Toft, P.A. 1483
 Toivanen, P.J. 1190
 Tokarky, G.W. 1024
 Toklu, C. 2075, 2145
 Tomasi, C. 66, 430, 1341, 1570, 1944
 Tombre, K. 239
 Tong, F. 178
 Torkar, D. 547
 Torp, A.H. 1148
 Torr, P. 1993
 Torre, V. 1940, 2077
 Tortorella, F. 1049
 Toyama, K. 2111, 2116
 Tozzi, C.L. 1747
 Trahanias, P.E. 1254
 Traverso, P. 986
 Traxler, C. 1305
 Trier, O.D. 249
 Triggs, B. 1995, 2006
 Trivedi, M.(M.) 439, 448, 1505, 1540, 1547, 1660
 Trucco, E. 33
 Trueba-Santander, J.I. 1385
 Trussell, H.J. 1248
 Truyen, B. 1395
 Tsai, C. 869
 Tsai, D.M. 1523
 Tsai, F.C.D. 1812
 Tsai, H.R. 1035, 1183, 1469
 Tsai, P.S. 1680
 Tsai, R.Y. 1523, 1889
 Tsai, S.S. 1035
 Tsai, W.C. 1032
 Tsai, W.H. 1243
 Tsalides, P. 1245, 2085
 Tsang, P.W.M. 1287
 Tsang, W.H. 1287
 Tsihrintzis, G. 477
 Tsoi, A.C. 311
 Tsotsos, J.K. 2020
 Tsuda, K. 882
 Tsui, H.T. 436, 700, 1729, 1739
 Tsuji, S. 435, 802, 2041
 Tsujiuchi, J. 175, 176
 Tsukamoto, A. 343
 Tsuruta, N. 828
 Tubaro, S. 2017, 2060
 Tull, D.L. 1966
 Tung, H.W. 1516

Turner, M. 237
 Tuzikov, A.V. 1096
 Tuzzi, C.L. 1678
 Tzionas, P. 2085
 Tziritas, G. 1946, 2056, 2124

 Ubeda, S. 98, 1185
 Uchiyama, T. 2138
 Ude, A. 1845
 Udupa, J.K. 855
 Uhl Jr., R.G. 314
 Uhlin, T. 976, 977, 2079
 Ulgen, F. 1114
 Ullman, S. 48
 Ultre, V. 1286
 Umeki, H. 1860
 Ungureanu, D. 1086
 Uno, T. 2129
 Unser, M.(A.) 143, 153, 1450
 Uras, C. 1029, 1855
 Uray, P. 1803
 Utsumi, A. 322
 Uttal, W.R. 1701

 Vafaie, H. 347
 Vailaya, A. 615, 646
 Valenti, C. 643
 Valentinotti, F. 1919
 Valkealahti, K. 1333
 vanden Elsen, P.A. 1411
 van den Ouden, F. 1656
 van der Heijden, F. 1868
 Van der Heijden, G.W.A.M. 1434
 Vander Kam, R.A. 837

 Vanderkooy, G.E. 1106
 van de Wetering, H. 1123
 VanDiest, M. 1058
 van Dijck, H. 1868
 van Doorn, A.J. 1261
 Vandorpe, D. 1665
 Vanek, P. 1928
 Van Espen, P.J.M. 1099
 van Ginneken, B. 1749
 Van Gool, L.(J.) 771, 940, 1058, 1063, 1086,
 1087, 1559, 1657, 1674, 1984
 Van Metter, R.L. 252
 van Overveld, C.W.A.M. 1144
 van Overveld, K. 1123
 Vanrell, M. 687
 Vardi, Y. 285
 Vasconcelos, N. 963
 Vassilakopoulos, M. 1028
 Vautrot, P. 884, 1383
 Vaz, R.F. 1064
 Veelaert, P. 433
 Veigel, L. 1635
 Veillon, F. 1058
 Velho, L. 126
 Vellaikal, A. 656
 Velten, V. 477
 Vemuri, B.C. 1128
 Vemuri, S. 1809
 Venetsanopoulos, A.N. 1254
 Venkatesh, S. 185, 434, 2133
 Venkatraman, M. 534
 Vento, M. 1049, 1515
 Ventura, J.A. 1127
 Veraart, C. 947

- Verbeek, P.W. 1656, 1799
 Verghese, G.C. 121
 Verians, X. 947
 Verly, J.G. 460, 470
 Vernazza, G.(L.) 886, 981
 Vernon, D. 1819, 2035
 Verri, A. 1029, 1855
 Vetter, T. 1720
 Vetterli, M. 152
 Vezien, J.M. 1619
 Viaud, M.L. 1144
 Vickers, G.W. 1625
 Viergever, M.A. 717, 919, 1411
 Vietze, O. 841
 Vieville, T. 116, 1972, 1973, 1975, 1989, 2015
 Vijayakumar, B. 1998
 Vijaykrishnan, N. 584, 596
 Vince, J.A. 100
 Vincent, L.M. 240
 Vincken, K.L. 919
 Vincze, M. 2134
 Vinod, V.V. 1275
 Viola, P. 2097
 Visa, A. 552
 Vita, L. 858, 953
 Vitri, J. 186
 Vitria, J. 687
 Vitsnudel, I. 792
 Vitulano, D. 823
 Vitulano, S. 823
 Vogel, L. 2139
 Völpel, B. 1066
 von Seelen, U.M.C. 992
 Voss, K. 1082, 1157
 Vossepoel, A.M. 1434
 Vu, Q. 729
 Vujovic, N. 1396
 Wactlar, H.D. 606
 Wada, T. 1005
 Waibel, A. 1017
 Waksman, A. 1324, 1327
 Walker, G.G. 149
 Walker, R.F. 1349
 Wallace, R.(S.) 64, 182
 Wallon, P. 1165
 Walowit, E. 1247
 Waltz, F.M. 393
 Wan, X. 752
 Wan, Y.F. 366
 Wandell, B.A. 195
 Wang, B.H. 803
 Wang, C. 902, 1592
 Wang, C.L. 565, 806
 Wang, D. 676
 Wang, G. 1649
 Wang, H. 11, 740, 1628, 1869
 Wang, L. 1342
 Wang, M. 891
 Wang, M.J.J. 1519
 Wang, P.P. 780
 Wang, P.S.P. 2, 1200
 Wang, R. 2025
 Wang, S. 816
 Wang, S.J. 804
 Wang, W. 2019
 Wang, X. 517, 1996

- Wang, Y. 878, 1448
Wang, Y.F. 1626
Wang, Z. 482, 801, 805, 819, 1363, 1854
Wangenheim, A.V. 1403
Warren, D.J. 203
Warscotte, V. 962
Watanabe, K. 321
Watanabe, M. 181, 183, 1632, 1643, 2044
Watanabe, T. 343, 358, 1677
Watanabe, Y. 370
Waters, K. 263
Watkins, W.R. 454
Watt, R.J. 200
Watts, R.C. 427
Watzel, R. 827
Wavering, A.J. 407
Waxman, A. 459
Webber, R. 1467
Weber, K. 434
Weber, S. 1231
Wechsler, H. 347, 362, 463, 1010, 1072, 2088
Weeks, Jr., A.R. 156
Wei, G.Q. 1703
Wei, S.C. 1338
Weickert, J.A. 717
Weinshall, D. 74, 625, 630, 1711, 1794, 1831, 1900
Weir, N. 506
Weiss, I. 1092, 1588, 1716
Weiss, R. 2098
Weiss, Y. 2040
Weldon, T.P. 1362, 1388
Wells, D.S. 561
Wells III, W.M. 2097
Welsh, B. 155
Wen, C.Y. 1319, 1320
Wen, D.W. 1377
Weng, J.(J.) 289, 308, 349, 446, 1012, 1136
Werblin, F. 220
Werghi, N. 1168
Werman, M. 74, 625, 630, 1690, 1711, 1871, 1900
Werner, M. 415
Werner, T. 994, 1800
West, B.S. 1271
West, G.A.W. 185, 1843, 2133
Westelius, C.J. 1000
Westin, C.F. 1000
Westling, M. 1865
Whaite, P. 1826
Wheeler, M.D. 481, 486, 1146
Whelan, P.F. 1240
Wildenberg, A. 2102
Wildes, R.P. 273
Wiles, C. 1566, 1990, 1991
Wilinski, P. 1387
Williams, J.P. 1710
Williams, L.R. 1151, 1681
Willsky, A.S. 121, 966
Willuhn, W. 548
Wilson, R. 1109
Wilson, R.C. 1506, 1508, 1509, 1511, 1514
Wiman, H. 866
Windeatt, T. 1639, 1668
Winter, A. 553
Wisskirchen, P. 111
Witta, L. 324
Wittenbrink, C.M. 574

- Wittenburg, T. 110
 Wixson, L. 438
 Wloka, M.M. 2095
 Wo, W.R. 1338
 Wolberg, G. 724
 Wolff, L.B. 70, 1255, 1257, 1262, 1265, 1710
 Wolfson, H.J. 1402
 Wolski, M. 1247
 Wolter, F.E. 1179
 Wong, A.K.C. 554
 Wong, P.W. 837
 Wong, S.P. 877
 Wong-Chan, M.C. 561
 Wood, J. 1065
 Woods, J.W. 159
 Worley, S. 1308
 Worrall, A.D. 2112
 Worring, M. 849, 1155
 Wright, M. 1464
 Wu, A.Y. 94, 1055
 Wu, C.H. 1127
 Wu, D.M. 570
 Wu, H. 330, 337, 344
 Wu, J.K. 1241
 Wu, J.L. 1849
 Wu, K. 1135, 1647
 Wu, L. 1017
 Wu, M.F. 1892
 Wu, W.C. 755, 760
 Wu, Y. 1307
 Wunsch, P. 1844
 Wyatt, J. 202
 Xia, F. 1229
 Xie, M. 408
 Xie, Z.Y. 1368
 Xin, Y. 1395
 Xu, G. 752, 2012, 2041
 Xu, H. 1360
 Xu, J. 1033, 1038
 Xu, W. 164
 Xu, Y.Y. 375
 Yachida, M. 321, 330, 337, 343, 344, 1954, 2012
 Yacoob, Y. 287, 288, 341
 Yagi, Y. 321, 1954
 Yahia, H.M. 2139
 Yalabik, N. 1375
 Yamada, H. 1512
 Yamaguchi, A. 2135
 Yamaguti, A. 1885
 Yamakawa, H. 1013
 Yamamoto, H. 975
 Yamamoto, K. 1512
 Yamamura, T. 1264
 Yamashita, N. 582
 Yamazaki, T. 481, 486
 Yamazawa, K. 1954
 Yan, H. 276, 331, 880, 1164
 Yang, C.K. 1243
 Yang, C.Y. 1233
 Yang, D. 1715
 Yang, H.S. 875, 894, 982
 Yang, H.T. 686
 Yang, J. 1017
 Yang, L. 1071
 Yang, S.W. 561

- Yang, Y.B. 436
 Yang, Z. 1626
 Yao, Y.(S.) 429, 1956
 Yarmovski, Y. 1572
 Yaron, O. 1462
 Yaroslavsky, L. 157
 Yassine, A. 303
 Yasuda, D. 1504
 Yates, R.B. 595
 Yeager, S. 39
 Yeap, W.K. 1555
 Yegnanarayana, B. 1365
 Yemez, Y. 796
 Yeo, B.L. 2048
 Yeshurun, Y. 283, 975
 Yeung, M.M. 2048
 Yi, J.(H.) 465, 480
 Yi, J.W. 2080
 Yianilos, P.N. 310, 647
 Yim, C. 1655
 Yin, L. 293
 Yip, H.M. 2043
 Yip, R.K.K. 822, 1596, 1605
 Ylä-Jääski, A. 850
 Yokoya, N. 325, 345, 1653
 Yokoyama, T. 1239
 Yomdin, Y. 1222
 Yoon, S.H. 1522
 Yoshida, A. 1574
 Yoshii, H. 714
 Yoshino, K. 378
 You, Y.L. 164
 Younes, L. 1440
 Young, I.T. 1104
 Young, S.S. 1536
 Yu, D. 1164
 Yu, H. 730, 2012
 Yu, K. 373, 1893
 Yu, P.S. 618
 Yu, S. 864
 Yu, Y.T. 1187, 1197
 Yuan, X. 1773
 Yueh, C.J. 1630, 1651
 Yuen, P. 942
 Yuen, P.C. 1138
 Yuen, S.Y. 1492, 1493
 Yuille, A.(L.) 896, 1768
 Zabih, R. 631
 Zahirzami, S. 1489, 1497
 Zak, R. 561
 Zamperoni, P. 80, 1379, 1400
 Zanardi, C. 445
 Zangemeuter, W.H. 196
 Zapata, E.L. 1498
 Zavidovique, B. 1329
 Zeevi, Y.Y. 792
 Zeleznik, R.C. 2095
 Zeller, C. 1749, 1975
 Zeller, M. 360
 Zerkalov, L.G. 1217
 Zerr, B. 1675
 Zerroug, M. 1691, 1707, 1877
 Zerubia, J. 854, 864, 895, 1430, 1690
 Zesar, K. 2115
 Zetziche, C. 794
 Zha, H. 1863
 Zhan, S. 777

Zhang, A. 655	Zierl, C. 1851
Zhang, D. 1881, 1884	Zilberman, A. 2106
Zhang, H.J. 150	Zimeras, S. 1294
Zhang, J. 1083, 1301	Zimmermann, K. 1205
Zhang, L. 2025	Zingirian, N. 564
Zhang, M. 369, 1490	Zinterhof, P. 786
Zhang, Q. 72, 906	Ziou, D. 816
Zhang, R. 1680	Zisserman, A. 762, 1058, 1753, 1993, 2082, 2114
Zhang, S. 479, 495	Zmuda, M.A. 467, 682
Zhang, T. 900, 1793	Zong, C. 112
Zhang, X. 516	Zribi, M. 1895
Zhang, Y. 719, 1467	Zucker, S.W. 807, 809, 912, 926, 1725
Zhang, Y.J. 876	Zundel, A.K. 1761
Zhang, Y.Y. 1200	Zunic, J. 1139, 1906
Zhang, Z. 534, 1456, 1565, 1591	Zuschratter, W. 827
Zhao, C. 1654	
Zhao, C.S. 1682	
Zhao, D. 1654	
Zhao, E. 118	
Zhao, W. 1551	
Zhao, Y. 360	
Zheng, J.Y. 1734, 1737	
Zheng, Q. 516	
Zheng, Y.(J.) 483, 494, 1410	
Zheng, Z. 758	
Zhong, Y. 646, 937	
Zhou, F. 1113	
Zhou, H. 1122	
Zhou, J. 85	
Zhu, Q. 861, 862	
Zhu, S.C. 896, 1307, 1768	
Zhu, Y. 619, 1890	
Zhuang, H. 755, 760	
Zhuravlev, Y.I. 8	